

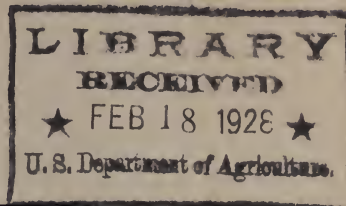
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SEED BOOK

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— OF —

KNOX'S
QUALITY
SEEDS

Knox Seed Company

223-225 E. Weber Ave.

STOCKTON, CALIFORNIA

D. W. Shoemaker

How To Order by Mail

YOUR NAME AND ADDRESS. Be very sure that your name and address are written plainly on each order. We frequently have orders where either name is not given or address omitted. Also give plainly the R. F. D. number and box, or the street address. We acknowledge all orders by a post card if not filled immediately. If such acknowledgement is not received, or if the order does not follow at once, write us about it.

CASH WITH ORDER. The proper way is to send remittance in full to cover order and postage. We send Seed and Poultry supplies C. O. D. Plants we never send out C. O. D. (There is an extra charge of 12c on C. O. D's).

ALL PRICES are subject to price fluctuation and to change without notice. For this reason we ask you to write for quantity price. On vegetable seeds the price is usually fixed for the season and rarely is it necessary to change from the catalog, and the prices will be consistent with the market. You will be treated fairly.

REMITTANCES should be made by Post Office Money Order, Express Money Order, or by Check. For amounts up to one dollar, clean, unused post-

age stamps will be accepted. Coin should not be sent by mail. Checks on local banks may be sent, which will be a great convenience to many customers. We do not accept responsibility for orders which never reach us.

SHIPPING. We will use our best judgment as to the best way of sending orders when specific directions are not given. In large "prepaid" orders it is better to have them go by express, if your town is on a railroad—it is safer. We prepay express charges on merchandise quoted "prepaid." If special directions in shipping are needed, send them explicitly, and where express or freight office is different from post office, so state in space on our order sheet.

SEEDS BY MAIL. We send by mail or by express prepaid, all orders for flower seeds, and for vegetable seeds up to ten pounds. We do not pay postage or express charges on onion sets, field seeds, clovers, grasses, bird seeds, tools or plants in large quantities; but we pay them on other vegetable and flower seeds. Correspondents in foreign countries should add a sufficient amount for postage at the rate of 14 cents per pound.

DOMESTIC PARCEL POST RATES		Insurance extra, 3c for each Pack-	First	Each Add.
Our Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S. and Possessions.		age up to \$5.00, 5c up to \$25.00, 10c up to \$50.00.	Pound or Fraction	Pound or Fraction
First Zone, Stockton and within 50 miles of Stockton.....	7c			1c
Second Zone within 50 to 150 miles of Stockton.....	7c			1c
Third Zone within 150 to 300 miles of Stockton.....	8c			2c
Fourth Zone within 300 to 600 miles of Stockton.....	9c			4c
Fifth Zone within 600 to 1000 miles of Stockton.....	10c			6c
Sixth Zone within 1000 to 1400 miles of Stockton.....	11c			8c
Seventh Zone within 1400 to 1800 miles of Stockton.....	13c			10c
Eighth Zone within all over 1800 miles from Stockton.....	14c			12c

FOR PARCELS WEIGHING 8 OUNCES OR LESS, containing seeds, bulbs or books only the rate of postage to all zones is 1 cent for two ounces or fraction. (Over 8 ounces the parcel post rates apply).

NON-WARRANTY: Note—There are so many contingencies to be encountered in growing plants from seed and in setting out plants that are dependent on the weather and other conditions over which we have no control, that success in planting is not altogether dependent on the seed or plant. We will send out only seed which we be-

lieve will grow and produce the kind of plant and variety represented, but:

KNOX SEED CO., Inc., give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, plants or trees they send out, and they will not be responsible in any way for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned and money will be refunded.

KNOX SEED CO., Inc.
JAMES KNOX, President and Manager.

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DEAR FRIEND AND CUSTOMER:

It is with great pleasure we hand you our "Seed Book" for the season of 1928. The constantly growing patronage of our old customers and the adding of many new ones each year gives us great pleasure and the satisfaction of knowing that the quality of our seeds meets with your approval.

It has always been our aim to sell the highest quality seeds at as reasonable a price as possible. To this end we devote our time and energy. The many letters of praise we receive each year, as to the satisfaction of our seeds, is very gratifying. Look this catalog over very thoroughly, and select your seeds for the coming year. After you have finished with it, pass it on to your neighbor. Again thanking you for your patronage, we remain,

Yours truly,

KNOX SEED COMPANY.

Knox's Gladioli

Gladioli well deserve their unrivaled popularity. They may be planted from January to June for a succession of blooms. It is well in cutting to separate the leaves from the flower stems, allowing the leaves to remain. When completely dried this top growth should be cut off and the bulbs stored. These bulbs multiply and the bulblets will bloom the second year. The bulbs should be planted about 3 inches deep in any good garden soil, preferring an open sunny situation.

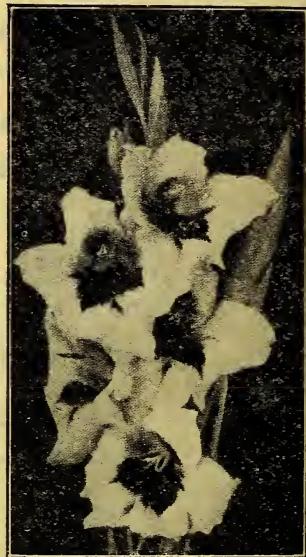
MRS. FRANK PENDLETON—Combines the beauty of the apple blossom and the rarest rose. A soft rosy-pink on a white ground, the throat dark rich blood-red. each 8c, doz. 75c.

NIAGARA—A supremely beautiful yellow tinted Gladioli. Petals are exquisitely waved and wide-spread. Lower petals penciled with carmine. 8c each, 75c doz.

PRINCE OF WALES—Very large, beautifully formed flowers of light orange color; yellow throat overlaid with deep orange. 8c each, 75c doz.

BARON JOS HULOT—The best blue Gladioli. Rich Indigo Blue. 10c each; \$1.50 doz.

LILY WHITE—One of the best pure whites on the market. 8c each; 75c doz.



Mrs. Frank Pendleton

All bulbs
are first
size and
of the
best
quality



Golden Measure

EARLY SUNRISE—A brilliant deep salmon with yellow throat. 9c each; 80c doz.

CRIMSON GLOW—A large, brilliant crimson, with dark green foliage... 8c ea; 75c doz.

GOLDEN MEASURE—A rich golden yellow, with large, wide-open flowers, well placed on a tall stalk. 10c each; \$1.00 doz.

ROSELLA—A deep shade of orchid, with a large starry white blotch in the throat. 10c each; \$1.00 doz.

ROSE ASH—A beautiful shade of old rose, overlaid and blended with Daphne pink; soft yellow at the base of petals. 9c each; 80c doz.

VIRGINIA—A beautiful shade of glowing scarlet. Flower spike is long, with large, well-formed blossoms. 8c each; 75c doz.

ALICE TIPLADY—A lovely orange saffron. 8c each; 75c doz.

MARY FENNEL—Delicate lavender with faint yellow markings on lower parts. 9c each, 80c doz.

Knox's Lawn Grass Seed

PRODUCES A RICH, THICK, VELVETY LAWN

A Beautiful Lawn and How to Secure It

It is universally conceded that nothing contributes so much to the beauty and attractiveness of the home grounds, the park and the cemetery, as a smooth, uniformly rich-green, well-kept lawn. But to be perfect and a pleasure to walk on this should have a firm yet elastic and carpet-like surface, and the first consideration in laying out or renovating old grounds should be to secure this condition.

Turfing with fine old pasture sod, at one time a popular method of making a lawn, is now largely superseded by seeding, because of the expense and difficulty in obtaining good, clean turf. **Seeding is not only inexpensive but is in reality the only means of securing a fine and permanent lawn,** depending only for its complete success on the thoroughness with which the ground is prepared, the quality and quantity of the seed sown, and the subsequent care of the lawn.

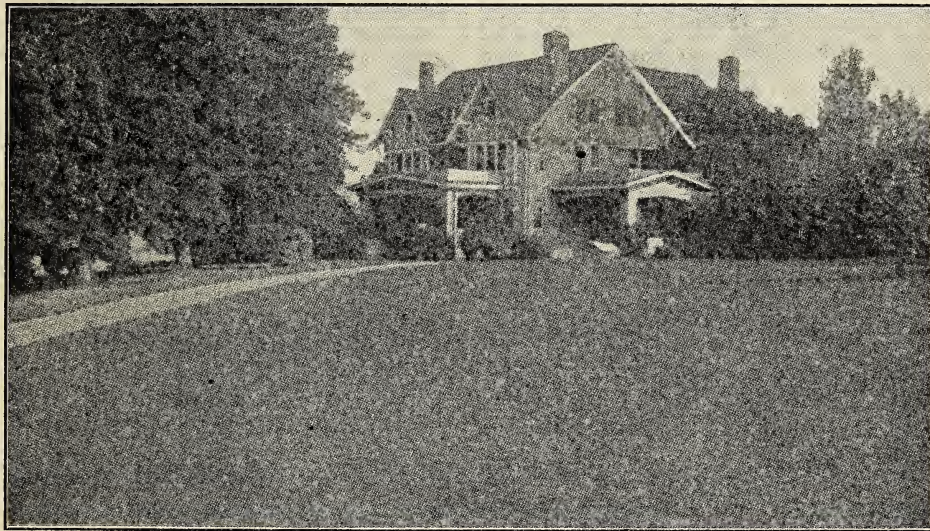
Our extensive experience in the seeding of lawns and exhaustive experiments with all kinds of lawn grasses have demonstrated beyond a doubt that while many kinds are valueless, being too coarse or bunchy or otherwise unsuitable, one kind of grass alone can not be relied upon, in our climate, to produce and maintain a fine lawn. It is

only by using a proper combination of **several suitable varieties, sown liberally,** that satisfactory results can be obtained.

KNOX'S LAWN GRASS MIXTURES are the result of years of study and careful observation, and, if our directions are followed in seeding, **they never fail to produce quickly a thrifty growth of fine velvety, rich green grass,** continuous in verdure from early spring to winter, and creating a springy, dense, carpet-like turf and permanently beautiful lawn.

THE QUANTITY OF SEED REQUIRED—There is no fixed rule, but a liberal sowing is always satisfactory, while a light seeding is a waste of time and usually disappointing. A beautiful lawn may be produced in a few weeks, or it may not approach perfection for two or more seasons, according to the quantity of seed sown. One pound to 200 square feet; 5 pounds to 1,500 square feet; 20 pounds to 6,000 square feet; 100 pounds (5 bushels) per acre.

In thickening up established lawns slightly smaller quantities, depending on conditions, may perhaps be sufficient, but it is always well to put on enough.



Knox's Special Lawn Grass Mixture

THOROUGHLY TESTED AND ANALYZED FOR GERMINATION AND PURITY

Composed of Evergreen Grasses, best suited to our American climate, only the finest and cleanest grades of seed being used. This splendid mixture is composed of only the finest dwarf-growing evergreen grasses; absolutely free from weed seeds or other impurities; especially adapted and mixed in the proper proportions to suit the American climate. In comparing the cost of our Special Lawn Grass with other mixtures sent out by the trade, remember that the **actual weight per measured bushel of our mixture is 20 pounds or more,** while that of most mixtures is only 14 pounds per bushel. To obtain this exceptionally heavy weight per bushel, we must and do use only the heaviest and best samples of the various grasses which compose our mixture. This is in itself a guarantee against sowing weed seeds as the heavier the mixture the more thoroughly re-cleaned have been the component grasses, $\frac{1}{2}$ lb. 30c (by mail 35c); 1 lb., 60c (by mail 65c); 10 lbs. \$5.50

WHITE CLOVER—Extra choice, thoroughly re-cleaned seed suitable for fine lawns. $\frac{1}{4}$ lb., 20c (by mail 27c); $\frac{1}{2}$ lb., 30c (by mail 37c); 1 lb., 60c (by mail, 67c. Subject to market changes.

If more than one pound is wanted by mail, add postage at Parcel Post rates.

Too much care cannot be taken in the selection of your lawn seed.

Knox's Lawn Grass Seeds

KNOX'S GRASS MIXTURE FOR SHADE—The growing and maintaining of a nice fresh green Sward or Turf below trees or in shady places has long been regarded as a matter of great difficulty. In our Grass Mixture for Shade we have an excellent combination of those grasses which grow naturally in shady places and under any ordinary circumstances will furnish a close, green, velvety turf during the entire season. However, it is often the case that under trees the ground becomes so impoverished by the action of the multitude of fine tree roots as to render the growing of a nice, close sod of grass almost impossible; in such cases we would recommend a liberal top dressing of Mococo Fertilizer at the rate of 600 pounds per acre.

Price: ½ lb. 60c (by mail 65c); 1 lb. \$1.00 (by mail \$1.07); 2½ lbs. \$2.25; 5 lbs. \$4.25; 10 lbs. \$8.00.

GOLF LINKS MIXTURE FOR PUTTING GREEN—The grasses composing this mixture are those which years of experience have shown to be the best adapted to the uses of the Putting Green. They are dwarf-growing and compact, yet hardy enough to withstand the constant, heavy wear of the Putting Green. Price: ½ lb. 35c (by mail 40c); 1 lb., 60c (by mail 67c); 2½ lbs. \$1.45; 5 lbs. \$2.75; 10 lbs. \$5.25; 20 lbs. \$10.25; 50 lbs. \$25.00; 100 lbs. \$48.00.

GOLF LINKS COURSE MIXTURE FOR FAIR GREENS—A mixture of grasses that will stand the wear incidental to the game of golf or other outdoor sports, forming a nice, close turf that will hold out even in the dry part of our American summer. Price: ½ lb. 25c (by mail 30c); 1 lb. 45c (by mail 52c); 2½ lbs. \$1.05; 5 lbs. \$2.00; 10 lbs. \$3.85; 20 lbs. \$7.50; 50 lbs. \$18.00; 100 lbs. \$35.00.

KENTUCKY BLUE GRASS

The universal pasture grass of America and the finest lawn grass in the world is our own Kentucky Blue Grass. It starts like magic with the first smile of spring and is a velvet of green until winter comes again. It can be sown on the wild prairie and will catch, but the best results are to be had by getting the seed well covered. The seed we offer is strictly high grade, new crop, clean and pure. 60c per lb.; 10 lbs., \$5.50; prepaid.

BERMUDA GRASS—Good for both pasture and hay and especially adapted for the South where other grasses will not grow. A perennial or low, creeping habit. Sow 6 pounds to the acre. Lb., 60c.

ITALIAN RYE GRASS—Thrives on almost any good soil and is unequalled for producing an abundance of feed early in the spring as well as throughout the season. Responds quickly to rich food and moisture and is a rapid grower. Sow 50 lbs to the acre. Lb., 25c.

MEADOW FESCUE—One of the finest annual grasses for permanent pastures, highly nutritious and relished by stock. Succeeds well in all soils but best on moist land. Robust in habit and grows over a long season. Sow 60 to 70 lbs. to the acre Lb., 45c.

AUSTRALIAN or PERENNIAL RYE GRASS

This grass has become exceedingly popular of late years; it makes a very hardy and beautiful bright green lawn, and if properly cared for, a very satisfactory one. It does particularly well in sandy lots. Valuable as a pasture grass. Sow about two bushels per acre. 25c per lb.; 10 lbs., \$2.00.

PACIFIC RYE GRASS—This is a fine grass for quick lawns or lawn mixtures. Also valuable for forage plants. Lb., 25c.

CHEWING FESCUE (Festuca Duriuscula)—This is a variety of hard fescue and is used by golf clubs in their mixtures. It is also a good pasture grass makes good turf. Lb. 65c.

CREeping BENT GRASS—(Agrostis Stolonifera)—The texture of this grass is fine and is valuable for lawns, grows rapidly and is of the spreading habit, makes good turf. Lb., \$1.50.

CRESTED DOG'S TAIL (Cynosurus Cristatus)—It does well in shady places, it roots deeply and makes a good lawn mixture and should be used in moderate quantities for permanent pasture. Lb., 65c.

RED-TOP, FANCY—This grass is used for mixing in hay or permanent pasture and succeeds almost everywhere, but does best in a moist, rich soil where it attains a height of 2 to 2½ feet. We offer only the best quality of re-cleaned seeds, free from chaff. Sow 32 pounds to the acre. Lb., 40c.

Names of Vegetables in Foreign Languages

English	French	Italian	Polish	German	Spanish	Scandinavian
Asparagus.....	Asperge.....	Sparagio.....	Szparagi.....	Spargel.....	Esparrago.....	Asparges
Beans.....	Haricots.....	Fagioli.....	Fasola.....	Bohnen.....	Habichuela.....	Boenner
Beets.....	Betterave.....	Barbabetola.....	Buraki.....	Rube.....	Remolacha.....	Roedbede
Cabbage.....	Chou.....	Cavolo Cappuccio.....	Kapusta.....	Kopfkohl.....	Col repello.....	Kaal
Carrot.....	Carotte.....	Carota.....	Marchew.....	Carotten.....	Zanahoria.....	Gulerod-Karroter
Cauliflower.....	Chou-fleur.....	Cavolfiore.....	Kalafiori.....	Blumenkohl.....	Coliflor.....	Blomkaal
Celery.....	Celeri.....	Sedano.....	Selery.....	Sellerie.....	Apio.....	Selleri
Corn.....	Mais.....	Mais.....	Kukurydza.....	Mais.....	Maiz.....	Mais
Cucumber.....	Concombre.....	Cetriolo.....	Ogorek.....	Gurken.....	Cohombro.....	Agurk
Dandelion.....	Dandelion.....	Dente di leone.....	Papawa.....	Lowenzahn.....	Diente de leon.....	Loeветand
Eggplant.....	Aubergine.....	Petronciano.....	Gruszka.....	Eierpflanze.....	Berengena.....	Esplante
Endive.....	Chicoree.....	Endiva.....	Endywia.....	Endivien.....	Endivia.....	Endivie
Kale.....	Chou vert.....	Cavolo verde.....	Solanka.....	Blatterkohl.....	Breton, Berza.....	Groenkaal
Kohlrabi.....	Chou-rave.....	Cavolo rapa.....	Kalarepa.....	Knollkohl.....	Col Rabano.....	Kaalrabi
Leek.....	Poireau.....	Porro.....	Pory.....	Porree.....	Puerro.....	Purre
Lettuce.....	Laitue.....	Lattuga.....	Salapa.....	Salad.....	Lechuga.....	Salat
Melon.....	MuskMelon.....	Popone.....	Melon.....	Melone.....	Melon.....	Melon
Melon.....	WaterMelon.....	Melone d'aqua.....	Melon, Wodny.....	Wasser-Melone.....	Sandia.....	Vandmelon
Mushroom.....	Champignon.....	Fungo Pratajolo.....	Grzyb.....	Schwamm.....	Seta.....	Champignon
Okra.....	Gombaud.....	Ocra.....	Cebula.....	Ocher.....	Gombo.....	Hibiskus
Onion.....	Ognon.....	Cipollo.....	Pietruszka.....	Zwiebel.....	Cebolla.....	Roedloeg
Parsley.....	Persil.....	Prezzemolo.....	Pietruszka.....	Petersilie.....	Perejil.....	Persille
Parsnip.....	Pañals.....	Pastinaca.....	Pasternak.....	Pastinake.....	Chirivia.....	Pastinak
Peas.....	Pois.....	Pisello.....	Groch.....	Erbesen.....	Guisante.....	Erter
Pepper.....	Piment.....	Peperone.....	Pieprz.....	Pfeffer.....	Pimiento.....	Spansk Peper
Pumpkin.....	Potiron.....	Zucca.....	Bania.....	Melonen-Kurbiss.....	Calabaza Tonanera.....	Graeskar
Radish.....	Radis.....	Ravanello.....	Rzodkiew.....	Radies.....	Rabanito.....	Reddik-Radis
Salsify.....	Salsifis.....	Sassefrica.....	Jarzy Ostryga.....	Haferwurzel.....	Salsifi.....	Havverod
Spinach.....	Epinard.....	Spinace.....	Szpinak.....	Spinat.....	Espinace.....	Spinat
Squash.....	Courge.....	Zucca.....	Miekurz.....	Kurbiss.....	Calabaza.....	Squash-graeskar
Swiss Chard.....	Poiree.....	Bieta.....	Beiskohl.....	Bleda.....	Blad bede
Tomato.....	Tomate.....	Pomo d'oro.....	Pomidor.....	Liebesapfel.....	Tomate.....	Tomat
Turnip.....	Navet.....	Navone.....	Rzepa brukiew.....	Weisse-Rube.....	Nabo.....	Turnips

Knox's Lawn Grass Mixture is made from the finest varieties of English and native grasses.

Monthly Planting Guide

JANUARY

VEGETABLES—Seeds of Asparagus, Beets, Brussel Sprouts, Cabbage, Carrots, Chicory, Corn Salad, Cress, Egg Plant, Kale, Kohl Rabi, Lettuce, Mustard, Onions, Parsley, Peas, Peppers, Potatoes, Radish, Rhubarb, Salsify, Spinach, (Winter) Tomatoes, Turnips.

FLOWERS—Sow seeds of hardy annuals in the open ground, Acroclinium, Alyssum, Antirrhinum, Calendula, Calliopsis, Candytuft, Centaurea, Annual Chrysanthemums, Clarkia, Larkspur, Lupin, Mignonette, Nigella, Poppies, California Poppy, Wild Flower Seed and Sweet Peas.

FEBRUARY

VEGETABLES—Seeds of Asparagus, Beets, Beans, Cabbage, Carrots, Celery, Chives, Chicory, Corn, Corn Salad, Cucumbers, Egg Plant, Horse Radish, Kale, Kohl Rabi, Lettuce, Mustard, Onions, Parsnip, Peas, Peppers, Potatoes, Sweet Potatoes, Squash, Radish, Rhubarb, Salsify, Spinach, (Summer) Tomatoes, Turnips.

FLOWERS—Sow Seeds in open ground; Acroclinium, Antirrhinum, Calendula, Calliopsis, Centaurea, Early Flowering Cosmos, California Poppy, Larkspur, Linum, Lupinus, Mignonette, Nemophila, Nigella, Poppies, Scabiosa and Sweet Peas.

Sow in seed boxes—Balsam, Begonia, Coreopsis, Gaillardia, Hollyhock, Hunnemannia, Lobelia, Mimulus, Pentstemon, Petunia, Perennial Poppies, Salvi, Stocks and Viola Cornuta.

MARCH

VEGETABLES—Seeds of Artichoke, Asparagus, Beets, Beans, Cabbage, Chicory, Corn, (Sweet and Field) Cucumbers, Egg Plant, Kale, Lettuce, Melons, (Musk and Water) Okra, Onions, Parsley, Parsnip, Potatoes, Sweet Potatoes, Pumpkin, Radish, Rhubarb Seed, Salsify, Spinach, (Summer) Squashes, Tomatoes.

FLOWERS—Sow seeds in open ground; Acroclinium, Ageratum, Alyssum, Antirrhinum, Arctotis, Amaranthus, Balsam, Brachycome, Bartonina, Calendula, Calliopsis, Candytuft, Centaurea, Clarkia, Annual Chrysanthemum, Early Flowering Cosmos, Daisies, Four O'Clocks, Godetia, Gomphrena, Gypsophila, Helichrysum, Larkspur, Linum, Lupin, Marigold, Mignonette, Nasturtium, Nemesis, Nemophila, Nigella, Phlox, Poppy, Scabiosa, Sunflower and Sweet Peas.

Sow in seed boxes or with some protection for transplanting later: Asters, Begonia, Bellis, Daisy, Celosia, Columbine, Canterbury Bells, Coreopsis, Cyclamen, Dahlia, Gaillardia, Gerbera, Heliotrope, Hunnemannia, Lobelia, Matricaria, Myosotis, Pentstemon, Petunia, Poppies, Salvi, Shasta Daisy, Statice, Sweet William, Verbena, Viola, Wallflower, Zinnia. Sow seeds of Vines.

APRIL

VEGETABLES—Seeds of Artichoke Seed, Asparagus, Beets, Beans, Carrots, Cabbage, Celery, Corn, (Sweet and Field) Cress, Egg Plant, Kale, Lettuce, Melons, (Musk, Water, and Casabas) Okra, Onions, Parsley, Peas, Peppers, Parsnip, Potatoes, Sweet Potatoes, Pumpkin, Radish, Rhubarb Seed, Salsify, Spinach (Summer) Squash, Tomatoes.

FLOWERS—Seeds of Abronia, Acroclinium, Ageratum, Antirrhinum, Amaranthus, Asters, Balsam, Aquilegia, Begonia, Bellis, Brachycome, Calendula, Calliopsis, Candytuft, Canterbury Bells, Carnation, Annual Chrysanthemum, Celosia, Centaurea, Clarkia, Coreopsis, Cosmos, Cyclamen, Dahlia, Daisies, Delphinium, Digitalis, Dianthus, Gaillardia, Godetia, Gerbera, Gypsophila, Gomphrena, Heliotrope, Helichrysum, Hunnemannia, Hollyhock, Larkspur, Lobelia, Linum, Lupin, Marigold, Myosotis, Mirabilis, Mimulus, Mignonette, Nasturtium, Nemesis, Nicotiana, Nigella, Pentstemon, Petunia, Phlox, Poppies, Portulaca, Salvia, Salpiglossis, Scabiosa, Schizanthus, Stevia, Stocks, Statice, Sweet William, Vervena, Viola, Sunflower, Wallflower, Zinnia.

MAY

VEGETABLES—Seeds of Artichoke, Asparagus, Beets, Beans, Cabbage, Carrots, Celery Plants, Corn, (Sweet and Field) Cucumber, Egg Plant, Lettuce, Melons (Musk, Water, and Casabas) Okra, Onions, Parsley, Parsnip, Peas, Peppers; Transplant Potatoes, Sweet Potatoes (Plants) Pumpkin, Radish, Rhubarb, Salsify, Spinach, (Summer) Squash, Tomato.

FLOWERS—Seeds of Abronia, Acroclinium, Ageratum, Amaranthus, Asters, Balsam, Carnation, Calendula, Celosia, Centaurea, Calliopsis, Cosmos, Daisies, Annual Chrysanthemum, Candytuft, Dianthus, Gaillardia, Lobelia, Larkspur, Marigold, Matricaria, ladia, Gomphrena, Gypsophila, Helichrysum, Hunne-

Nasturtium, Nemesis, Nicotiana, Nigella, Phlox, Petunia, Portulaca, Salvia, Salpiglossis, Scabiosa, Schizanthus, Stevia, Sunflower, Statice, Zinnia.

JUNE AND JULY

VEGETABLES—Seeds of Artichoke, Beets, Beans, Cabbage, Carrots, Celery Plants, Corn, (Sweet and Field) Cucumber, Egg Plant, Lettuce, Melons, (Musk, Water and Casabas) Okra, Parsley, Parsnip, Peas, Pepper, Plants, Potatoes, Sweet Potatoes, (Plants) Pumpkin, Radish, Spinach, (Summer) Tomato.

FLOWERS—Seeds of Calendula, Candytuft, Cosmos, Centaurea, Cineraria, Daisies, Marigold, Nasturtium, Portulaca, Poppies, Salpiglossis, Zinnia.

AUGUST

VEGETABLES—Artichoke, Beets, Beans, early varieties, Brussel Sprouts, Cabbage, Cauliflower, Carrots, Chicory, Corn, Cress, Cucumber, Egg Plant, Endive, Garlic, Kale, Kohl Rabi, Leek, Lettuce, Mustard, Onion, Parsley, Parsnip, Peas, Potatoes, Radish, Salsify, Spinach, (Summer) Turnips.

FLOWERS—Calendula, Cineraria, Centaurea, Cosmos, Pansies, Primula, Stocks, Sweet Peas. Begin sowing seeds of hardy perennials for next year's flowering, such as Aquilegia, Bellis, Daisy, Canterbury Bells, Coreopsis, Cyclamen, Delphinium, Digitalis, Forget-me-not, Gaillardia, Hollyhocks, Pentstemon, Perennial Poppies, Phlox, Pyrethrum, Snapdragons, Verbena, Viola and Wallflower.

SEPTEMBER

VEGETABLES—Seeds of Artichoke, Beets, Brussel Sprouts, Cabbage, Carrots, Cauliflower, Chicory, Cress, Cucumber, Endive, Garlic, Kale, Kohl Rabi, Leek, Lettuce, Mustard, Onions, Parsley Parsnip, Peas, Potatoes, Radish, Salsify, Spinach, (Winter) Turnips.

FLOWERS—Seeds of Calendula, Centaurea, Cineraria, African Daisy, Nemesis, Cosmos, Pansy, Primula, Stocks and Winter Sweet Peas. Continue sowing hardy perennials for next year's flowering, such as Aquilegia, Bellis, Daisy, Canterbury Bells, Coreopsis, Cyclamen, Delphinium, Digitalis, Forget-me-not, Gaillardia, Hollyhocks, Pentstemon, Perennial Poppies, Phlox, Pyrethrum Snapdragon, Verbena, Viola, and Wallflower.

OCTOBER

VEGETABLES—Seeds of Beets, Brussel Sprouts, Cabbage, Carrots, Chicory, Cress, Endive, Garlic, Kale, Kohl Rabi, Leek, Lettuce, Mustard Onions, Parsley, Parsnip, Peas, Radish, Salsify Spinach, Turnips.

FLOWERS—Continue sowing seeds for winter blooming of Calendula, Centaurea, Cineraria, Cosmos, African Daisy, Dianthus, Nemesis, Phlox, Pansy, Primula, Scabiosa, Stocks and Winter Sweet Peas.

Begin sowing annuals in open ground for early spring blooming, Acroclinium, Alyssum, Antirrhinum, Bartonina, Candytuft, Calliopsis, Clarkia, Annual Chrysanthemums, California Poppy, Larkspur, Lupin, Mignonette, Nigella, Poppies, California Wild Flowers, Continue sowing perennials for next year's flowering—Aquilegia, Bellis, Canterbury, Bells, Coreopsis, Cyclamen, Delphinium, Digitalis, Forget-me-not, Gaillardia, Hollyhocks, Pentstemon Perennial Poppies and Phlox, Pyrethrum, Snapdragon, Verbena, Viola, and Wallflower.

NOVEMBER

VEGETABLES—Seeds of Beets, Brussel Sprouts, Cabbage, Carrots, Chicory, Cress, Garlic, Kale, Kohl Rabi, Lettuce, Leek, Mustard, Onions Parsley Peas, Radish, Salsify, Spinach (Winter) Turnips.

FLOWERS—Seeds of hardy annuals, Acroclinium, Alyssum, Antirrhinum, Bartonina, Calendula, Candytuft, Calliopsis, Clarkia, Annual Chrysanthemums, California Poppy, Dianthus, Larkspur, Lupin, Mignonette, Nigella, Nemesis, Pansy, Phlox, Stocks, Winter Sweet Peas and California Wild Flowers.

DECEMBER

VEGETABLES—Artichoke Plants, Asparagus Roots, Seeds of Beets, Brussel Sprouts, Cabbage, Chicory, Cress, Endive, Garlic, Horse Radish, Kale, Kohl Rabi, Leek, Lettuce, Mustard, Onions, Parsley, Parsnips, Peas, Potatoes, Radish, Rhubarb Roots, Salsify Spinach (Winter) Turnips, Onion sets.

FLOWERS—Sow seeds of hardy annuals, Acroclinium, Alyssum, Antirrhinum, Bartonina, Calendula, Candytuft, Calliopsis, Clarkia, Annual Chrysanthemums, California Poppy, Dianthus, Larkspur, Lupin, Mignonette, Nigella, Nemesis, Pansy, Phlox, Stocks, Winter Sweet Peas and California Wild Flowers.

Knox's Planting Guide

COMPLETE INFORMATION IN A SIMPLIFIED FORM

VARIETY	Seed for 100 ft. row	Seed for 1 acre	Time of Planting	Put Rows Apart	Leave Plots Apart in Row	Crop Matures in about	Depth of Planting
Artichoke, Globe	2 Pkts.	12 oz. T.	October to May	5 ft.	3 ft.	2nd Spring	1 inch
Artichoke, Plants	32 Pkts.	3000 P.	Dec. to April	5 ft.	3 ft.	Next Spring	1 inch
Artichoke, Jerusalem	3 lbs.	300 lbs.	December to May	4 ft.	3 ft.	Late Summer	3 inches
Asparagus Seed	1 oz.	2 lbs. T.	February to May	6 ft.	3 ft.	Third Spring	1 inch
Asparagus Plants	32 Pkts.	11000 P.	December to May	4 ft.	1 ft.	Next Spring	1 to 2 inches
Beans, Bush	1 lb.	60 lbs.	Jan. to September	3 ft.	6 in.	2 to 3 Months	1 to 2 inches
Beans, Pole	3/4 lb.	50 lbs.	Jan. to September	3 ft.	1 1/2 ft.	2 to 3 1/2 Months	3/4 inch
Beet, Table	2 oz.	10 lbs.	All year.	2 ft.	6 in.	3 to 6 Months	1 inch
Beet, Stock	2 oz.	8 lbs.	September to May	3 ft.	1 ft.	3 1/2 Months	1/4 inch
Broccoli	2 Pkts.	4 oz. T.	Nov. to April	2 1/2 ft.	1 1/2 ft.	3 to 4 Months	1/2 inch
Brussels Sprouts	2 Pkts.	4 oz. T.	October to May	2 1/2 ft.	2 ft.	3 to 4 Months	1/2 inch
Cabbage, Early	1 Pkt.	8 oz. T.	All Year	2 1/2 ft.	2 ft.	4 to 5 Months	1/2 inch
Cabbage, Late	1 Pkt.	8 oz. T.	All Year	2 1/2 ft.	6 in.	4 to 6 Months	1/2 inch
Carrot	1 oz.	4 lbs.	June to January	3 ft.	2 1/2 ft.	4 to 6 Months	1/2 inch
Cauliflower	1/4 oz.	4 oz. T.	January to May	3 ft.	6 in.	2 to 3 Months	1/8 inch
Celery	2 Pkts.	6 oz. T.	January to May	3 ft.	2 1/2 ft.	2 Months	1/4 inch
Celeriac	1 Pkt.	6 oz. T.	January to May	30 in.	5 in.	2 to 4 Months	1/4 inch
Cervil	3 Pkts.	1 lb.	Jan. to August	30 in.	15 in.	4 Months	1/4 inch
Chives	2 Pkts.	2 lbs.	September to May	30 in.	8 in.	2 to 3 Months	1/4 inch
Collards	1 Pkt.	8 oz. T.	All Year	30 in.	8 in.	2 to 3 Months	1/4 inch
Chicory	2 Pkts.	4 lbs.	September to May	30 in.	12 in.	2 1/2 to 3 Months	1 inch
Corn Salad	1 oz.	5 lbs.	Feb. to Nov.	6 ft.	4 ft.	3 to 4 Months	1 inch
Corn, Sweet	1/2 lb.	10 lbs.	March to Sept.	30 in.	10 in.	3 Months	1/2 inch
Cucumber	2 Pkts.	2 lbs.	March to Sept.	30 in.	2 ft.	3 Months	1/2 inch
Dandelion	1 Pkt.	4 oz. T.	Sept. to April	30 in.	8 in.	3 Months	1/2 inch
Egg Plant	1 Pkt.	3 lbs.	January to August	30 in.	6 in.	5 to 6 Months	1/2 inch
Endive	1 oz.	3 lbs.	August to May	30 in.	18 in.	3 Months	1/2 inch
Garlic (sets)	70 Plants	300 lbs.	Sept. to March	30 in.	18 in.	6 Months	1/2 inch
Horse Radish	2 Pkts.	10000 P.	December to May	30 in.	18 in.	2 to 3 Months	1/2 inch
Kale	1 Pkt.	2 lbs.	All Year	30 in.	6 in.	4 Months	1/2 inch
Kohlrabi	1/2 oz.	4 lbs.	Sept. to April	24 in.	8 in.	2 to 3 Months	1/2 inch
Lettuce	3 Pkts.	3 lbs.	All Year	24 in.	8 in.	2 to 4 Months	1/2 inch
Melons, Musk	2 Pkts.	1 1/2 lbs.	March to July	6 ft.	6 ft.	3 to 4 Months	1 inch
Melons, Water	1 oz.	2 lbs.	March to July	8 ft.	5 ft.	3 to 4 Months	1 inch
Mustard	1 Pkt.	2 lbs.	April to July	4 ft.	2 1/2 ft.	3 to 5 Weeks	1/2 inch
Okra	1 oz.	3 lbs.	April to April	3 ft.	5 in.	3 Months	1/2 inch
Onion seed	1/2 lb.	300 lbs.	Sept. to April	18 in.	3 in.	4 1/2 to 6 Months	1 inch
Onion sets	2 lbs.	40 lbs.	All Year	2 ft.	Drill	2 to 4 Months	Very shallow
Onion Seed for Sets	1 Pkt.	40 lbs.	All Year	26 in.	6 in.	2 to 3 Months	1/2 inch
Parsley	2 Pkts.	6 lbs.	All Year	36 in.	8 in.	4 Months	1/2 inch
Parsnips	1 lb.	70 lbs.	All Year	36 in.	18 in.	2 to 4 Months	1/2 inch
Peas	1 lb.	70 lbs.	All Year	36 in.	10 in.	2 to 3 Months	1/2 inch
Peppers	1 Pkt.	600 lbs.	January to July	36 in.	8 in.	2 to 4 Months	1/2 inch
Potatoes	5 lbs.	10000 P.	Dec. to Sept.	36 in.	18 in.	2 to 3 Months	3 inches
Potatoes, Sweet	70 Plants	10000 P.	March to July	36 in.	18 in.	3 to 4 Months	1 inch
Pumpkin	2 Pkts.	12 lbs.	March to August	10 ft.	8 ft.	3 to 4 Months	1 inch
Radish	1 oz.	12 lbs.	All Year	18 in.	3 ft.	1 to 2 Months	1/4 inch
Rhubarb	2 Pkts.	3000 P.	January to April	5 ft.	3 ft.	2nd Spring	2 inches
Rubarb Roots	33 Roots	8 ozs.	December to May	5 ft.	4 in.	4 Months	1 inch
Salsif	1 oz.	20 lbs.	February to Oct.	30 in.	2 in.	40 to 65 Days	1 inch
Shinagh	2 Pkts.	3 lbs.	All Year	24 in.	3 ft.	2 Months	1 1/2 inch
Squash, Bush	2 Pkts.	2 lbs.	February to Oct.	4 ft.	6 ft.	3 to 4 Months	1 1/2 inch
Squash, Running	1 Pkt.	3 lbs.	February to Aug.	8 ft.	3 ft.	4 to 5 Months	1/2 inch
Squash, Seed	1 Pkt.	3000 P.	February to Aug.	5 ft.	3 ft.	2 to 3 Months	1/2 inch
Tomato	35 Plants	3000 P.	March to Oct.	24 in.	6 in.	3 to 4 Months	1/2 inch
Turnip	2 Pkts.	3 lbs.	All Year	24 in.	8 in.	3 to 4 Months	1/2 inch
Turnip Swede or Rutabaga	2 Pkts.	3 lbs.	All Year	24 in.	8 in.	3 to 4 Months	1/2 inch

This Guide is for San Joaquin Valley or similar climate.

T.—In the quantity column measure these varieties are to be sown in hot bed and transplanted to the field.

Vegetable Seeds

In making up this catalog we have endeavored to limit the varieties to those that have proven themselves in this locality. In doing this we have omitted many novelties and unproven varieties. We know that experiments are costly and will assist any of our friends in making the proper selections for their territory.



Palametto Asparagus

ASPARAGUS

One of the most delicious of all vegetables, and the earliest to be taken from the garden. Every garden, large or small, should have a bed of asparagus. A bed properly planted and cared for should last 8 or 10 years and 50 roots should supply the average family.

Plant seeds, preferably in a sandy loam, well mixed with stable manure. Rows should be from 3 to 6 feet apart and slightly below the surrounding ground. Cover seeds 1 to 2 inches. Sow thinly. One packet of seeds will sow about 20 feet of row and yield over 100 plants. If roots are planted, make trenches 18 inches deep and 3 to 6 feet apart and work in plenty of well-rotted manure or leaf mould or both. Set plants 12 to 16 inches apart in the trench and crowns 12 inches below the surface. Each fall top dress with a heavy coat of manure and work it into the soil in the spring. Keep the earth soft and loose over the crowns of the plants. The young shoots may be cut freely up to the green pea season and then left to grow. In the fall cut all the stalks close to the ground before applying the manure. Our asparagus roots are all strong, vigorous stock which will give quick results.

WASHINGTON ASPARAGUS SEED—This asparagus which has been selected by the United States Department of Agriculture has proven to be nearly rust free. The shoots are thick and heavy. They are long and straight, with closely folded tips. The color is rich, dark green, tinted darker at the tips. Prices: Pkt., 10c; oz., 50c; ¼ lb., \$1.25; lb., \$5.00, postpaid.

PALMETTO—This popular sort is one of the earliest and is an extremely uniform strain, producing finely flavored large stalks, nearly an inch in diameter but tender and delicious. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

ASPARAGUS ROOTS—Ready in January. Two-year-old roots, 25c per doz., \$1.50 per 100; special price for 1,000. Postage 8c per doz., 20c per 100.

BROCCOLI

Sow seed in May; transplant in June. Growth and habit like cauliflower, but far more hardy. Of special value in the North. One ounce produces 2,500 plants.

ST. VALENTINE—The standard market variety for March shipment. Large plants with dark green waved leaves. Heads are large, solid, white, and very well protected. Pkt., 15c; oz., \$1.50; ¼ lb., \$5.00; lb., \$20.00.

Don't wait until your garden is covered with weeds before hoeing. If soil is kept in the proper state of cultivation there will be no weeds to consider.

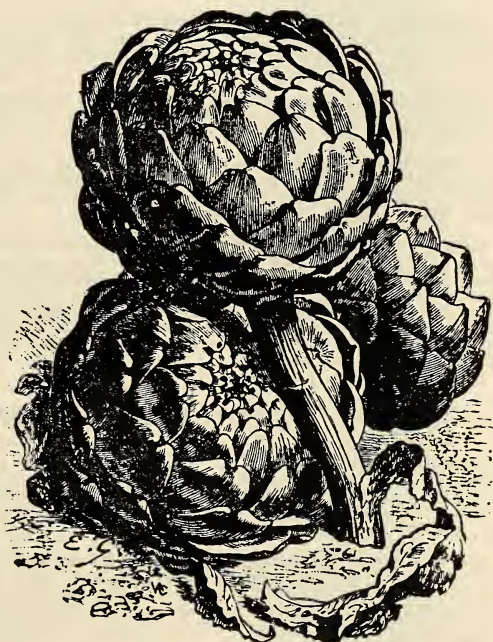
ARTICHOKES

The best way to get a good artichoke is to secure plants from old stalks of some good strain, as seeds cannot be depended upon to produce any certain variety. One-half dozen is enough for a family garden.

Transplant five feet apart in rows seven feet apart. When the young plants are attacked by aphids spray with "Black Leaf 40." About the time the buds are well advanced the under leaves become a harbor for flies and aphids and ants. When this occurs break off all the under leaves, clear the ground of all rubbish and spray with "Black Leaf 40" and use ant poison. See Insecticide page. You will then have a long season of large, clean buds.

IMPROVED LARGE GREEN GLOBE—Produces large, globular heads, thick, succulent scales, the bottom of which is the edible part. Boiled till tender, it makes a delicious dish. Pkt., 10c.

ARTICHOKE ROOTS—Artichoke roots when one year old will produce an abundance of large delicious artichokes soon after transplanting. They are ready in January and can be planted as late as May. Save a year by planting vigorous roots a year or more old. \$1.00 per doz; 10c each. Postage 2c each.



Green Globe Artichoke

BRUSSELS SPROUTS

One ounce will produce 1,500 plants.

Plant and cultivate same as Cabbage.

DWARF IMPROVED—The stem of this variety grows from 20 to 28 inches, closely set with medium-sized grayish green, very firm and well-rounded sprouts. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

Gain one year—plant Artichokes and Asparagus roots instead of seed.

BEANS--Dwarf or Bush

One pound will sow 100 feet of drill; 40 pounds are required for an acre.

No crop responds more readily than Beans to good soil and cultivation. A light, rich, well drained loam which was manured for the previous crop is the most desirable. If too rank manure is used it is apt to make the plant run too much to vine.

Beans are very sensitive to both cold and wet and it is useless to plant them before the ground has become dry and warm. The largest returns will result from planting in drills from two to three feet apart. Cover the seeds one and one-half to two inches deep and thin the young plants three to six inches apart in the row. If planted in hills, make the hills about two feet apart each way. For succession, plant at intervals of one to two weeks till midsummer. The plants up to the time blossoming should have frequent shallow cultivation, but any mutilation of the roots by cultivation after the plants come into blossom is likely to cause the blossoms to blast and so cut off the crop. Cultivation should always be very shallow and it is useless to expect a crop from a field so poorly prepared as to need deep stirring after planting.

We give careful attention to selecting and improving the different varieties and keeping them pure and we invite the most critical comparison of our stocks with those of any other grower.

The varieties of garden beans we offer have been separated for convenience into five groups: Wax Podded Dwarf or Bush sorts, Green Podded Dwarf or Bush sorts, Dwarf Limas, Pole or Running sorts and Pole Limas. Nearly all of these sorts, except the Limas, are suitable when young for use as snaps, which in some localities are called "snapshots." The low growing sorts are called Bunch beans in some sections. In northern latitudes the term "butter-beans" is often applied to low growing wax podded sorts. In the west, however, by "butter-beans" is usually meant limas.

Write for special prices on larger quantities.

GREEN-PODDED DWARF BEANS

REFUGEE, OR THOUSAND-TO-ONE—Very tender and productive; best variety for pickling. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

EARLIEST RED VALENTINE—One of the earliest and most prolific round green podded Beans. It will remain in a perfect condition for nearly two weeks after picking. Pkt., 10c; lb., 35c; 10 lbs., \$2.50.

BURPEE'S STRINGLESS GREEN-POD—The earliest and most hardy, absolutely stringless. The pods are a rich green, very round and straight, 5 inches long, solid, meaty and broad; readily marketed. Pkt., 10c; lb., 35c; 10 lbs., \$2.50.

ENGLISH OR BROAD WINDSOR—The celebrated Broad Bean of England, growing on a strong stalk about 2 feet high. Beans eaten shelled. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

LONG YELLOW SIX WEEKS—An early standard variety, much prized for its productiveness and excellent quality; the pods are often 8 inches long, tender and brittle; vines vigorous and branching. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

ROUND YELLOW SIX WEEKS—While this does not differ greatly from the Early Yellow Six Weeks in the appearance of the plants, the pods are shorter, much thicker, fleshier and mature earlier; the plants are usually shorter and more compact. The pods are about four and one-half inches long, attractive light green and are desirable for early snaps for the home garden and market. Seed medium sized, round, light yellow with darker marking about eye. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

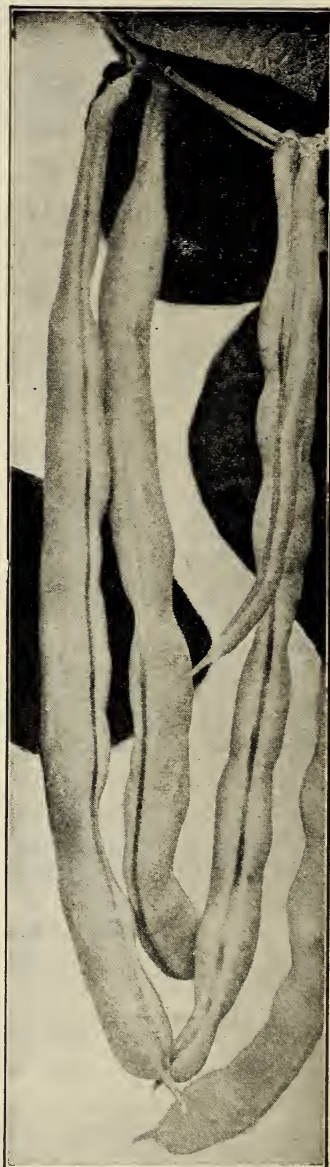
WAX OR YELLOW-PODDED DWARF BEANS

DAVIS WHITE WAX—Of compact, upright growth, producing a large yield of handsome, long pods of a clear waxy white color, and when of suitable size to use for snaps, quite stringless. The dry Beans are clear white, and are unsurpassed for baking. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

IMPROVED PROLIFIC BLACK WAX—In every respect first-class; pods nearly round, of a beautiful bright yellow color, hanging in clusters well up from the ground; very early and continues long in bearing which, with its immense productiveness and handsome appearance makes it everywhere popular. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

IMPROVED GOLDEN WAX—The standard flat, wax-podded variety. The plants are of vigorous, bushy growth, not susceptible to rust, moderately early and very prolific. The pods are exceedingly handsome, large, uniformly broad, thick and almost all solid flesh, of good quality, tender and brittle, without string or coarse fibre at all stages until maturity, while the color is a rich golden yellow. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

VENTURA WONDER WAX—This bean is of California origin, and a very valuable addition to the wax varieties. It is a stocky variety of bush, bearing large numbers of long flat, yellow podded beans, containing white seed, that have a fine flavor. Either used as a snapped bean or dried for winter use. We recommend this bean either for market or general gardening use. Pkt., 10c; lb., 35c; 10 lbs., \$3.00.

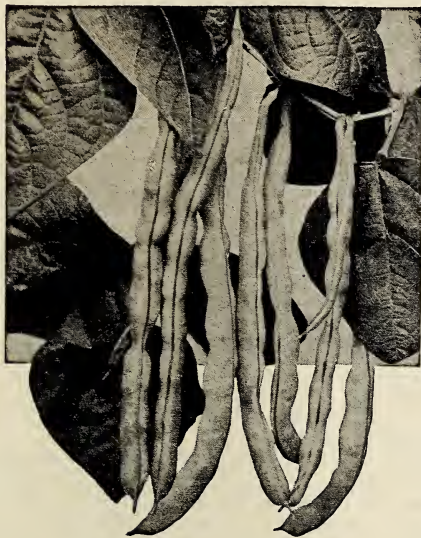


Long Yellow Six Weeks

BEANS--Pole or Running

These beans require a pole or trellis to climb on, if planted in the garden, although when raised as a seed crop in the open field they need no support whatever. Pole beans are usually very prolific, and bear longer pods and a great many more of them than the bush varieties. For home garden use set the poles well in, first scrape the soil away to a depth of two inches and irrigate well. Then plant 5 to 9 beans in each hill, covering to a depth of one inch. Save only the best three or four plants. Pole beans will continue bearing long after the earlier bush varieties have ceased. Hills should be three to four feet apart each way.

Green-Podded Pole Beans



Kentucky Wonder

KENTUCKY WONDER OR OLD HOMESTEAD—Vine vigorous, very productive, bearing its pods in clusters; pods green, very long, often reaching nine or ten inches, nearly round and very crisp. Ten days earlier than any other green-podded pole bean. Good market sort. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

YARD LONG—A great curiosity, and of excellent quality. Pods usually 18 to 24 inches, but frequently 30 inches and sometimes 36 inches in length. An excellent table vegetable, being tender and of a rich asparagus flavor. Plant this fine bean for home use and exhibition purposes. The dry beans are kidney-shaped, of dark brown color. The vines keep on bearing for a long time. Pkt., 10c; oz., 40c; lb., \$4.00.

BLUE LAKE CREASEBACK—A popular, early, green-podded variety, meaty, stringless and of good quality. The pods ripen at the same time and the yield is very heavy. The beans are white and are very good to shell for winter use. Pkt., 10c; lb., 30c; 10 lbs., \$2.25.

TALL HORTICULTURAL OR SPECKLED CRANBERRY—This old standard shell bean produces compact plants with large leaves and is very productive. The young green pods are tender and of good flavor, slightly curved, and attain at maturity a length of 5 inches, being colored greenish yellow, speckled with carmine. This variety is used very largely for shelled beans for soup and baking purposes, but is also very popular as a green-podded snap bean, as the pods are almost stringless. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

SCARLET RUNNER—An old favorite, used both as string and shelled beans. It is an excellent snap variety producing an abundance of large green pods. In addition to its culinary value, Scarlet Runner is useful for ornamental purposes. The strong, rapid growing vines bear brilliant scarlet flowers from early summer until late fall, and may be used to good advantage for training over porches and trellises. Pkt., 10c; lb., 35c; 10 lbs., \$3.00.

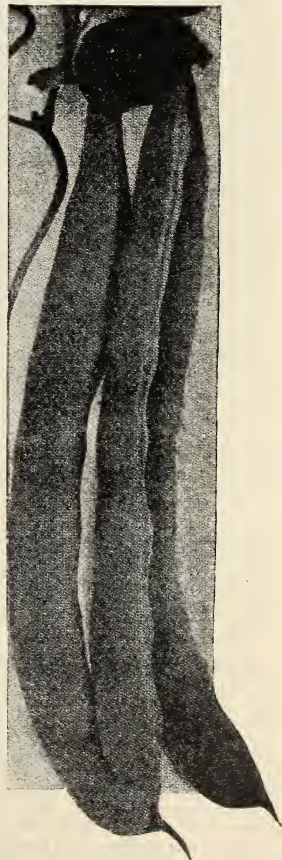
WHITE KENTUCKY WONDER

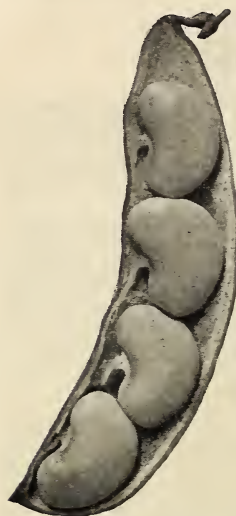
A very popular and satisfactory type of the Kentucky Wonder Beans. It was introduced a few years ago and since then it has been growing in popularity by leaps and bounds until now it is a most desired variety.

Improved White Kentucky Wonder Bean is a pole bean of a tenderness that places it in the front rank of the bean family. Its productiveness is so exceptional that any one planting a bean garden should not be without it, and as for the market gardener, it will be impossible for him to find a bean that will yield greater returns per acre. It is earlier by two weeks than the other types of Kentucky Wonders and the Market Gardener, who is wide awake, realizes that the big returns are made by harvesting a heavy crop early.

Its tenderness, crispness and color make it very desirable. The pods average from eight to ten inches in length and are of a deep green shade. The seeds when dry are of a snowy whiteness. Prices: 10c per pkt.; ½ lb., 20c; 1 lb. 35c; 10 lbs. \$3.00.

KENTUCKY WONDER WAX—Equal in quality to Old Homestead, but the pods are broad and a golden waxy color that makes them very attractive. This variety is likewise an abundant yielder and we consider it the best of the yellow-podded pole beans. Pkt., 10c; lb., 35c; 10 lbs., \$3.00.





LIMA BEANS

FORDHOOK BUSH LIMA—This variety is decidedly our preference among the bush lima beans. It is nearly as early as any. The pods are about four inches long, of medium size, well filled, the beans very thick, tender and of fine quality. The plants are very robust, never coming into contact with the ground. It yields continuously all summer, in this respect superior to any other sort. **Pkt., 10c; ½ lb., 20c; lb., 35c; 10 lbs., \$3.00.**

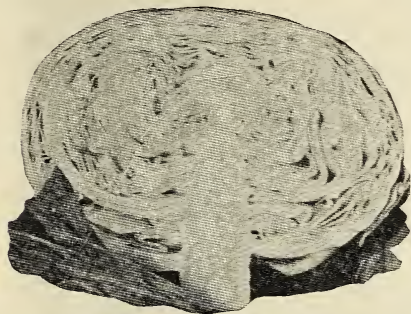
KING OF THE GARDEN LIMA—POLE—This is the largest of the limas and is one of the best for the main crop. It is a very strong grower and very large podded, the pods being very uniform. The beans are medium to large, flat, greenish-white in color. It is a heavy yielder and a variety that climbs and produces until the end of the season. **Pkt., 10c; 35c; 10 lbs., \$3.00.**

BURPEE'S IMPROVED BUSH LIMA—A true bush form of the Large White Lima Bean. Fairly early pods of good size and well filled. Strong plants with thick stems, furnishing a good support. The quality is excellent and also the yield. **Pkt., 10c; lb., 35c., 10 lbs. \$3.00.**

HENDERSON'S BUSH LIMA—This is a small white Lima Bean which grows in bush form and produces a large crop. The plants are very hardy, make rapid growth and are not so apt to throw runners as some of the other varieties of Bush Lima. It begins to set pods at an early season. Most exquisite table quality. **Pkt., 10c; lb., 30c; 10 lbs., \$2.50.**

Knox's Improved Cabbage

No special care or soil is required to grow cabbage as it will grow in any soil with proper cultivation, but good seed is extremely important with this crop. Like cauliflower and lettuce it is not a good summer crop as it will not head up in extremely hot weather. For fall and winter crop sow the seed in May and June, for spring and early summer sow in September and October. Transplant when the plants are about six weeks old 18 inches apart in rows 30 inches apart. To keep heads from splitting when ripe loosen the plants a little at the roots.



DANISH BALLHEAD—For late crop is a tall-stemmed, spherical, hard-heading variety it cannot be excelled. **Pkt., 10c; oz., 40c; ¼ lb., \$1.50; lb., \$4.00.**

SAVOY GREEN GLOBE—The favorite for market gardeners. Leaves are wrinkled and dark green. Heads very hard and improved by frost. Excellent in quality and sure header. **Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.00.**

PREMIUM LATE FLAT DUTCH—As a variety for winter market it has no superior. Heads are large, bluish-green, round, solid, broad and flat on top; they open white and crisp, are tender and well flavored. It is a fall and winter variety, and one of the best to keep. **Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.50.**

EARLY JERSEY WAKEFIELD—Deservedly one of the most popular early varieties. Small heads are very solid, conical and with few waste leaves. Our stock is of the best and runs true and uniform. **Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.00.**

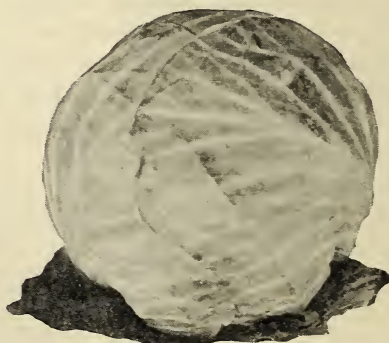
MAMMOTH ROCK RED—The largest and surest heading of the red cabbages. Medium length stem; head medium large, round, solid, and of a handsome dark red color that is carried into the heart. **Pkt., 10c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.**

COPENHAGEN MARKET—The earliest large round or flat-head sort. The ripening is early and uniform, maturing at one time and almost with Early Jersey Wakefield. Considering its early season, the heads are remarkably large, averaging ten pounds in weight. It has few outer leaves, which permit close planting, and it grows close to the ground on a short stem. **Pkt., 10c; oz., 45c; ¼ lb., \$1.25; lb., \$4.00.**

EARLY WINNIGSTADT—Sure to head, regular, conical shape, very hard and hardy, a good keeper winter and summer, one of the best for general use. Best imported seed only. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.**

EARLY FLAT DUTCH—The seed we have of this variety is very select. Practically all of the truck gardeners use this strain, as every plant will form a large even size solid head and matures early and evenly. The seed we offer of this variety is grown for us and is acclimated. Seed that is not acclimated usually runs more to tops. If you are going to plant cabbage and you are not positive which variety will do best, you will make no mistake by planting our Early Flat Dutch. **Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.00.**

EARLY YORK—This well known cabbage deserves rightfully the attention of every vegetable-gardener. It is always of good size, forming round, pointed heads with few loose outer leaves; but those covering the head are thick and stout, giving good protection to the tender inner leaves. For this reason, the cabbage is admirably adapted for wintering, and very early setting. **Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.00.**



WONG BOK—This is the original Chinese-grown strain, producing a heavier and more solid head than the Pe-Tsai variety. Has a deliciously mild cabbage flavor, and the pale green, closely wrapped leaves blanch to almost pure white. Our select strain produces heads of remarkably solidity. Sow about August 1, and cultivate like lettuce or late cabbage. In setting the plants out, push down about 1½ inches in the ground and set 1 foot apart in the row. **Pkt., 10c; oz., 50c; lb., \$5.00.**

No garden is complete without Lima Beans

Knox's Superior Beets

Beets may be planted almost all the year round where the temperature does not linger below 25 degrees. Sow the seed one inch deep in well prepared, moist soil in rows eight or ten inches apart, or on ridges same as lettuce. Drill eight pounds of seed per acre. Thin out to one plant every three inches and transplant the discarded plants in any convenient spot about the garden. The Egyptian is a small, dark red, flat, smooth variety. It is sweetest and best for the table. Irrigate about every two weeks, unless the nature of the soil is such that more frequent irrigation is found to be necessary. Mulch the soil after each irrigation. Beets are ready for use in ten weeks and continue in prime condition for another ten weeks. Two ounces of seed for 100 feet of row.

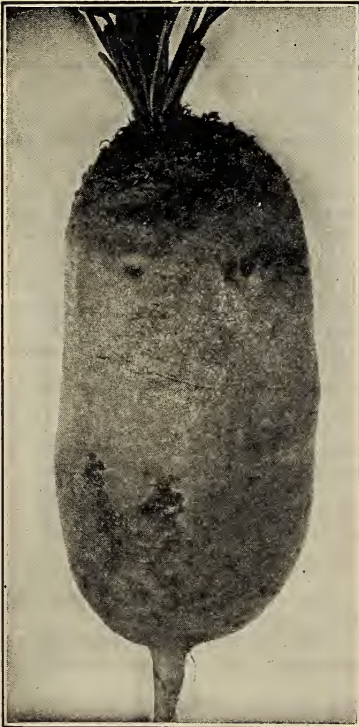
CROSBY'S EGYPTIAN—This variety is extremely early and is a good one to use for forcing, having a small top of green leaves tinged with brown. The thick, roundish, smooth root has a distinct vermilion colored flesh zoned with lighter shade. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$3.50.

DETROIT DARK RED—This variety is of exceptional fine quality and attractiveness. The root is almost globe-shaped, tapering slightly and smooth. The flesh is a deep vermilion-red, crisp, and sweet. Leaves are green with dark red veins and stems. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$3.50.

ECLIPSE—This variety is extremely early, of small size, but grows very rapidly. Its very fine quality round shape, smoothness, and deep red color make it a favorite. It has a scant top, with brown-red foliage. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$3.50.

EARLY BLOOD TURNIP—This is our choice for the early sort and is best for forcing. The root is decidedly flattened turnip-shaped, and the flesh is very dark blood-red. The top is small with brown-red leaves mixed with green. For rapid maturing of roots, this variety is unsurpassed. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$3.50.

LONG SMOOTH BLOOD—(Out of ground). This is the best of all long late varieties, producing a root from 12 to 14 inches long, growing one-third out of the ground. The flesh is deep red, and the leaves are green, veined with red. This beet keeps well through the winter. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$3.50.



Golden Tankard

MANGEL- WURZELS

LONG RED—Our stock of this variety has been grown in Holland and is the result of continued careful selection. It is the heaviest-yielding Mangel there is, producing under proper conditions from 40 to 80 tons per acre, many specimen roots weighing from 40 to 50 pounds, and being of fine texture and good quality. Pkt., 10c; lb., 60c; 10 lbs., \$5.00.

GIANT HALF-SUGAR—A splendid Beet for stock-feeding purposes, as it is more nutritious than the ordinary Mangel-Wurzel, containing 25 per cent of sugar. Grows half out of the ground and is an enormous yielder. The outer skin is white, with a slight pink tint at the top; flesh clear white. Pkt., 10c; lb., 60c; 10 lbs., \$5.00.

GOLDEN TANKARD STOCK BEET

SELECTED GOLDEN TANKARD—Most nutritious variety in cultivation; roots large, ovoid, but filled out at top and bottom, terminating with a small tap-root; flesh deep golden yellow, solid, crisp, sweet and rich; excels all others in milk-producing qualities and very productive. It has no superior as a keeper. Pkt., 10c; lb., 60c; 10 lbs., \$5.00.

SUGAR BEETS

FRENCH WHITE SUGAR—The sort most generally grown, as it combines, with heavy yield, a good percentage of sugar. It has produced 30 tons of Beets to the acre, and contains from 10 to 13 per cent of sugar. The largest yields known have been obtained from this variety. Pkt., 10c; lb., 75c; 10 lbs., \$6.50.



Beets will grow in any soil and keep indefinitely in the ground when matured.

Knox's Carrots

This delicious and nutritious vegetable is not appreciated as it should be. Properly cooked, it is a great delicacy. Its feeding qualities for stock are excellent. A sandy soil is best, but any good rich soil will produce good crops. Sow in early spring in rows fifteen to eighteen inches apart and thin to three to four inches according to size and variety. Cover the seed only half an inch and give careful cultivation throughout the season. They may be eaten either when a half inch or so in diameter.

DANVERS HALF LONG—Without question one of the finest carrots, rich orange color, smooth, stump rooted, flesh of fine texture and with little core, more extensively planted than any other by market gardeners, and also one of the best sorts for the home garden. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.**

LONG ORANGE IMPROVED—The standard late variety, very productive and of good quality. Roots pointed and often 12 inches long, fairly smooth and of a deep orange color. Often used for stock feeding. **Pkt. 10c; Oz., 15c; ¼ lb., 35c; lb., 35c; lb., \$1.00.**

EARLY SCARLET HORN—A small early variety suitable either for forcing or early garden use. Roots three inches by two, attractive orange color and very fine quality. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.**

Chantenay

CHANTENAY—A medium early productive variety of very fine quality. Root five inches long, two and one-half inches in diameter, deep orange, fine grained, flavor excellent. One could hardly say too much in praise of this very popular variety. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.**

LARGE WHITE BELGIAN—For Stock. Root pure white, green above ground. It will grow to a very large size, and is easily gathered. Flesh rather coarse. Is raised extensively for stock. **Pkt., 10c; ¼ lb. 35c; lb., \$1.00.**

EARLIEST FRENCH FORCING—Used extensively for forcing. Small, globe-shaped root of orange-red color; excellent quality. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.**

OXHART or GEURANDE—Roots are very thick, five inches long and nearly as broad, and very blunt at the lower end. It grows rapidly and the roots often weigh a pound or over. Excellent quality. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.**

ST. VALERY—This kind can be considered as a link between garden and field carrots. It grows a large, long, red root, which is remarkably tender, crisp and well flavored, and placing it on the list of field-carrots is due to the big returns it gives. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb. \$1.00**

Danvers Half Long

CARROTS A MAIN GROP

In the last few years carrots have become one of the main crops of the vegetable grower and shipper. Besides the local home market there has been developed a large market in the east for winter shipping.

During the winter in the east many of the vegetables offered on the market are from storage. You can readily see what a demand for fresh vegetables there is at this time. Carrots can be bunched and packed in crates or the tops cut off and sacked. Bunching is the best however as they are much more attractive.

Chantenay, Half Long, Long Orange, and St. Valery are the best varieties for this market. A yield of 500 sacks or 800 crates is not uncommon for this variety of carrots.

For eastern shipment the seed should be sown in September. The growers of asparagus are using carrots to fill the first cars of asparagus until the asparagus cut reaches enough volume to load straight cars.

Those interested in planting acreages of carrots for the trade should plant our selected strains. See us for prices in quantity.

Plant Chantenay and Danvers Half Long Carrots for local Market.

Knox's Celeriac and Celery

Celery seed should be sown indoors from February 20th to April 20th, or outdoors in April. Cover lightly, keep the beds moist, almost to wetness, and the temperature should not exceed sixty degrees. Outdoors it is sometimes necessary to furnish partial shade with lattice work that admits about half the sunlight. Keep the small plants well watered, and free from weeds. Transplant when four inches high, cutting off the tops as well as part of the roots. The soil must be rich and moist or else water should be available for irrigation. Transplant the last of June or first of July, although it is sometimes possible to mature a crop set out as late as the middle of August. In setting dig trenches 5 inches deep, 2 feet apart. Plant 1 foot apart along both sides of trench. Water often and keep the weeds down by cultivation and hoeing. Blanching is done by heaping up the soil or with two wide boards placed on each side of the rows and held in place by stakes or wire hoops at the top. The latter method is necessary when blanching in hot weather for the early market. Be careful not to disturb the plants while wet, as this increases the tendency to rust.

CELERIAC

Sow the seed same as celery. Transplant into rows two feet apart and thin to nine inches in the row. Cultivate thoroughly. It is not necessary to earlh up.

LARGE SMOOTH PRAGUE—This is the most popular variety with American growers. Roots nearly globular, comparatively smooth with few roots at the bottom, flavor excellent. This variety excels all others in appearance, size and quality. Pkt., 10c; oz., 45c; ¼ lb., \$1.25; lb., \$4.00.

NON PLUS ULTRA—A large rooted variety, combining tenderness with size. The flesh is clear and white. Pkt., 10c; oz., 45c; ¼ lb., \$1.25; lb., \$4.00.

CELERY GOLDEN PLUME OR WONDERFUL

A variety of quite recent origin as an early celery whether for shipping or for home market has become quickly popular, and in some sections is preferred to the Golden Self-Blanching, as it is a week or ten days earlier. It is self-blanching and the yellow color is decided while the large heart blanches to a beautiful pearly white color and the individual stalks are always of the finest flavor, brittle and without any stringiness. In growth the plant is stout and stocky. It is more resistant to disease than the other self-blanching types. This is the variety which is making Oregon famous for superfine celery. Pkt., 10c; oz., \$1.00; ¼ lb., \$4.00; lb., \$15.00.

GIANT — PASCAL — Vigorous, compact, productive variety; one of the best sorts for fall and winter use. Leaves upright, short, dark green. Stalks short, broad, very thick, crisp and tender, blanching readily to a yellowish white color; a very good keeper. Pkt., 10c; oz., 40c; ¼ lb., \$1.35; lb., \$4.00.

WHITE PLUME PERFECTED—An early distinct variety, with a silver-white color in its inner leaves, stalks and heart. Crisp and of excellent quality. It requires little to blanch it, making attractive white stalks and leaves. Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.50.

GOLDEN SELF-BLANCHING, OLD TYPE—Our stock of this famous variety, now considered a standard celery for early use, is unsurpassed. The plants produced by our seed are compact and stocky, with yellowish green foliage turning to golden yellow, with a slight earthing up. Stalks are very thick, broad, solid and crisp, of the finest nutty flavor and natural ivory-white color.

This is a big hearted strain with no hollow stalks, extremely even and free from green top. Pkt., 10; ½ oz., 60c; oz., \$1.00; ¼ lb., \$2.50; lb., \$10.00.

GOLDEN SELF-BLANCHING—Tall or New Type—Similar to the short golden self-blanching but much taller. A wonderful home market variety, but not desirable for shipping. Pkt., 10c; oz., \$1.00; ¼ lb., \$3.50; lb., \$12.00.



Golden Self-Blanching Celery is the best to grow as it is self-blanching.

Knox's Famous Cauliflower

Cauliflower is grown the same as cabbage, but requires more fertile soil, and like cabbage and lettuce is not a good summer crop. There are two good seasons for sowing cauliflower seed; for fall and winter sow the seed in June and July, for spring sow in September and October. Transplant the plants when they are about six weeks old, and always keep them in a thriving condition. If large or old plants are used and if they are not kept growing constantly, some will head prematurely and others will go to seed.

DRY WEATHER or DANISH GIANT—This variety is of vigorous and dwarf growth, and produces stone-hard and snow-white heads, unsurpassed in quality. The foliage is very heavy, fully protecting the heads, which are less liable to blight in hot weather than those of the earlier sorts. As indicated by the name, for dry, hot climates it is to be preferred to all other sorts, being a sure header there when other sorts fail. If thoroughly cultivated and well enriched, est yield. Pkt., 25c; ¼ oz., 75c; oz., \$2.50.

VEITCH'S AUTUMN GIANT—Plants are large and late with dark green leaves and heavy mid-ribs. The heads are large and solid, though rough—protects well in the winter, but if headed too early may have to be tied. Can be seeded May to July and will head from November to January. Pkt., 25c; ¼ oz., 50c; oz., \$1.50; ¼ lb., \$4.50; lb., \$12.00.

EARLY SNOWBALL—This variety has attained a degree of excellence that has made it a highly prized strain the world over, proving beyond peradventure that real good pedigreed cauliflower seed is the paramount essential that makes the resultant crop profitable. An extra early variety. Uniform heads of quite large size, handsome form and exquisite quality which are good sellers in any market. Pkt., 25c ¼ oz., 75c; oz. \$2.50.

EARLY PERFECTION CAULIFLOWER—Is a very early variety of the Dwarf Erfurt type. It is not quite as early as the Snowball. The leaves are exceptionally long, stand straight up, making the inner leaves curl over and protect the head. It is perfectly true to type and its contemporarity in maturing makes it possible to clear off the ground at one cutting. Pkt., 25c; ¼ oz., 75c; oz., \$2.50.



Dry Weather or Danish Giant

SWISS CHARD

Swiss chard is one of the easiest vegetables to grow. Planted in the spring time it will grow one whole year before running to seed, and produce an abundance of green leaves the whole year. The broad, white stalks can be cooked like asparagus and the green leaves used the same as spinach. In picking always pick the largest outside leaves and the plant will continue to produce leaves from the center. It is also one of the best greens to plant for poultry as it will produce more greens with less care and through a longer season than anything else.

WHITE—Grown for the leaves only, and cooked like spinach. The midrib is prepared like asparagus. It is hardy and productive, with broad green leaves and large white midribs or chards of excellent quality; sown at different seasons of the year, giving successive greens. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

LUCULLUS—A peculiarly delicious variety having green leaves which are remarkably crimped and curled, like savoy-leaved cabbage. The chards are white and broad but not so broad as the common variety, although equally fine in flavor. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

CHICORY

LARGE ROOTED—The roots are cut in thick slices, then roasted and used as a substitute for coffee. In spring the leaves make a nice salad. Reaches maturity in 65-75 days. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

WITLOOF CHICORY—This is known also as French Endive and is esteemed as the finest of all green salads. Spring-sown seed produce by fall large parsnip-like roots. One packet will sow about 25 feet of row, producing about 100 roots. One ounce is enough for 100 feet of row.

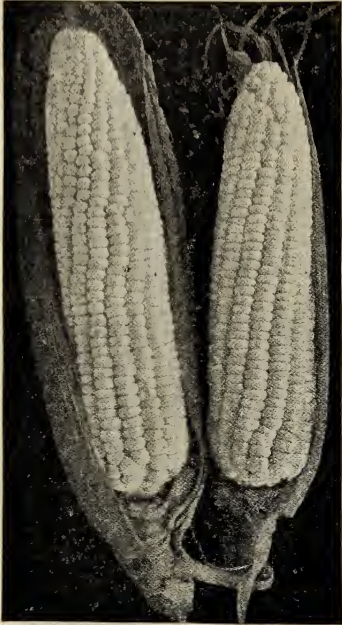
Seed—Of true Witloof. 10c per pkt.; 25c per oz.; ¼ lb., 75c; lb., \$2.50.



Swiss Chard

Knox's Sweet Corn

One of the garden's sweetest vegetables. Plant from February 15th to August 1st, in rows 3 feet apart, drop 6 or 7 kernels in hills every 18 inches in the row and thin out to two of the healthiest plants in each hill when about 5 inches high. Break off all side shoots except the two top ones as they will produce the largest and best ears. Corn is at its very best when picked and eaten within an hour, but it is extremely important that it be picked just at the right time especially when not too old. Frequent plantings of several varieties in succession will keep a good supply available all summer.



Stowell's Evergreen

MARKET GARDENER'S SWEET CORN—Our market gardeners sweet corn is far superior to any other variety we know of. It is very early and bears two large size ears to each stalk. We do not hesitate to recommend this variety and if you do not know what variety of corn to plant, try our Market Gardeners. **Pkt., 10c; lb., 30c; 10 lbs., \$2.50.**

GOLDEN BANTAM—There is something about yellow sweet corn on the ear for table use that appeals to old and young alike. To those who prefer a yellow variety we especially recommend Golden Bantam. Its flavor is extremely sweet and delicious, its kernels tender and juicy. Its hardiness permits planting earlier and in colder and damper soil than other varieties. Plant it at regular intervals to obtain a continuous supply during the season. In our latitude it can be planted as late as the middle of July. The stalks grow from 4 to 5 feet in height and generally produce two ears, which are 5 to 7 inches long and of a bright golden yellow color when ready for the table. It is one of the sweetest, most delicious and toothsome of the sweet corns. Matures in about 70 days. **Pkt., 10c; lb., 35c; 10 lbs., \$3.00.**

EARLY MAMMOTH or ALAMEDA—A vigorous, large, early variety grown extensively in Alameda County for the San Francisco market. **Pkt., 10c; lb., 30c; 10 lbs., \$2.50.**

EARLY MINNESOTA—Very early; ears of fair size and uniform; plant rather dwarf; one of the best. **Pkt., 10c; lb., 30c; 10 lbs., \$2.50.**

STOWELL'S EVERGREEN—Now recognized everywhere as a standard variety, both for home use and market, and is the general favorite. The ears are of large size, grains deep, exceptionally tender and sugary, and remain longer in the green state than any other. **Pkt., 10c; lb., 30c; 10 lbs., \$2.50.**

COUNTRY GENTLEMAN—One of the finest of all corns for the private table. Ears 8 to 9 inches long, cob small and irregularly crowded from end to end with pearly white kernels of great depth; quality surpassingly sweet and tender. **Pkt., 10c; lb., 30c; 10 lbs., \$2.50.**

EXTRA-EARLY CORY—Of great value for its extreme earliness; is 10 days earlier than any other sort; ears of good size and first-rate quality. **Pkt., 10c; lb., 30c; 10 lbs., \$2.50.**

Ask for prices on larger quantities.

EARLY ADAMS—An extra early variety of the semi-sweet type. Does very well in the interior valleys of California, as it is not bothered much by bugs. **Pkt., 10c; lb., 30c; 10 lbs., \$2.50.**

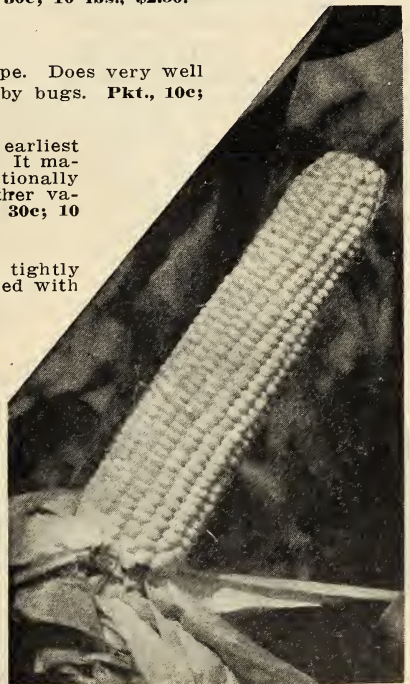
EARLY EVERGREENS—This corn is positively one of the earliest of the very large eared sweet corns. Ears measure 10 to 12 in. It matures in about 65 days. In color the ears are pure white, exceptionally sweet, very luscious, tender and palatable. No matter what other varieties you try—be sure and plant this variety. **Pkt., 10c; lb., 30c; 10 lbs., \$2.50.**

OREGON EVERGREEN—The husk is very thick and folds so tightly over the grains that the worm does very little damage, compared with other varieties. It is desired by the peddler and groceryman because of its thick husk, and it can be held over two days before it appears old or wilted. It is very productive, often bearing three marketable ears. **Pkt., 10c; lb., 30c; 10 lbs., \$2.50.**

BLACK MEXICAN—A rather short black variety, sweet and delicious. Splendid for home-garden, but not a market sort on account of color. **Pkt., 10c; lb., 30c; 10 lbs., \$2.50.**

GOLDEN CREAM—Early and one of the best for the home-garden; it will become one of the most popular Sweet Corns ever used. **Pkt., 10c; lb., 30c; 10 lbs., \$2.50.**

HOWLING MOB—In this corn we have the combination of earliness together with the large ears and fine flavor of the later varieties. The plant grows from four to five feet tall with heavy foliage and usually bears two fine ears to a stalk. The ears average eight inches in length and carry twelve to fourteen rows of large white kernels. Its flavor is sweet and rich and the husk is very heavy and long. **Pkt., 10c; lb., 30c; 10 lbs., \$2.50.**



Oregon Evergreen

Sweet Corn when picked fresh from your garden is delicious.

Knox's Cucumbers

Plant from February 15th to August 15th in hills 4 feet apart each way, dropping from 8 to 10 seeds per hill, and cover an inch deep. When they are about 5 inches high and danger of insects is past, thin out, leaving only four of the largest and healthiest plants to each hill. Cucumbers are extremely easy to grow and a few hills will produce an abundance for an average family. They are of very rapid growth, maturing from 6 to 8 weeks from date of planting. Keep the crop picked, when large enough for use, whether required or not, otherwise, if left to ripen, they will stop bearing.

DAVIS PERFECT—A very fine cucumber for market as well as the home garden, fine length, slimness, beautiful dark green color, transparent-like flesh with deliciously cool refreshing flavor, and crisp. Fruits 8 to 10 inches long, tapering at both ends, solid flesh, few seeds. It is one of the most popular among extra long white spine cucumbers. Ready for market in 65 days. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

KLONDYKE—The finest strain of the white spine variety, and an excellent shipper. Very dark green, smooth. A very desirable size, being 7 to 8 inches long. Does not turn white or yellow with age. Very crisp and palatable. Excellent for pickling when young and the best sort for market. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

LONG GREEN IMPROVED—The very vigorous and productive vines bear uniformly slender, beautiful dark green fruits, 12 to 15 inches long. The bulk of the crop matures late. A fine sort of slicing and largely used for pickles, fine for the home garden. **Pkt., 10c; oz., 25c; ¼ lb., 50c; lb., \$1.75.**

WEST INDIA GHERKIN—This is a distinct, very small, oval, prickly fruited sort used exclusively for pickling. The fruit is 2 inches long and 1 inch in diameter and borne in abundance. The seed of this variety is slow to germinate. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.**



Lemon Cucumber

EGG PLANT

NEW YORK IMPROVED SPINELESS—A very excellent standard variety growing strong bushes, which are larger than the Black Beauty and better in that respect for keeping the "eggs" off the ground. The large dark purplish black fruits are heavy at blossom end and narrow toward the stem end, and are smooth and of fine quality. **Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.**

EARLY LONG PURPLE—An early variety with club-shaped dark purple fruits 6 to 8 inches long. Very productive and of fine quality. **Pkt., 10c; oz., 50c; ¼ lb., \$2.00; lb., \$7.00.**



BLACK
BEAUTY

BLACK BEAUTY—It is preferred by growers for the early market because it matures marketable size earlier than any other variety, and because the fruit is dark colored when quite young and uniformly over the entire surface. It is entirely free from spines. It is popular because it is a moneymaker. **Pkt., 10c; oz., 60c; ¼ lb., \$2.00; lb., \$6.00.**

EARLY SHORT GREEN—This variety is known also as Early Frame. It is an early, bright green cucumber of medium size, very extensively used for slicing and pickling. The vines are very vigorous and productive. The fruits are straight, a little smaller at the ends, bright green in color, shading lighter at the blossom end. The flesh is crisp and tender. The variety is extensively used for the home garden. Our stock is very superior. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10.**

LEMON CUCUMBER—Similar in shape to a lemon. The flesh is tender, crisp and possesses a sweetness and flavor surpassing all other cucumbers. They are unexcelled for pickling. **Pkt., 10c; oz., 25c; lb., \$2.00.**

BOSTON PICKLING—For pickling this variety is superior to all others. Its fruit is short, pointed at each end, bright green, uniform in size, very productive and of superior quality. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.**

IMPROVED WHITE SPINE—The market gardener's favorite for field culture. It is one of the best sorts for the table, on account of its color, which seldom changes to a yellow when kept after being picked. **Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., \$1.25.**

ENDIVE

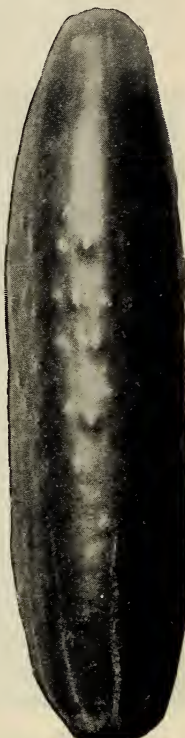
BROAD-LEAVED BATAVIAN—Rosette often 16 inches in diameter with broad, twisted, or waved green leaves and thick white midribs. Makes a fine "head" and blanches easily. The most exclusively grown variety. **Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., \$1.50.**

GREEN CURLED—A hardy variety forming a rosette 16 to 18 inches across, with very curly leaves and rosy colored midribs. Fine for an autumn crop. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.**

DANDELION

Furnishes our earliest and most healthful crop of spring greens. Sow the seed as early as the weather will allow, in good, well-enriched soil, and in rows a foot apart; cover them only ¼ of an inch deep, and firm the soil down above them. The plants should be thinned to stand 2 to 3 inches apart in the rows, that the roots may grow large and solid, thus saving much time in trimming them. An ounce of seed will sow 100 feet of drill; a pound will sow an acre.

Improved American Thick-leaved. The best variety. **Pkt., 10c.**



Davis Perfect

Pick Cucumbers often, otherwise your vine will stop bearing.

KOHL RABI

EXTRA EARLY VIENNA—A curious vegetable in appearance half-way between a Turnip and a Cabbage with a turnip-like swelling of the stems above the ground, which, while young and tender has a delicious Cauliflower flavor and very appetizing and pleasant. Very easily grown, requiring only such care as will make a Turnip or Cabbage do well. It is cooked much the same as Cauliflower and served with pepper, butter and salt. It is certainly most delicious. **Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.25.**

GARLIC

Used for flavoring. The bulbs are set out like onion sets about 4 inches apart in the row, and covered 1 inch deep. When tops die down take up the bulbs and dry in a shady place. Bulbs only. **Lb., 15c.**

MUSHROOMS

IMPROVED ENGLISH SPAWN—Is grown by special culture from large perfect heads and then pressed into bricks of about 1½ lbs. **Each, 45c; 10 bricks, \$4.00.**

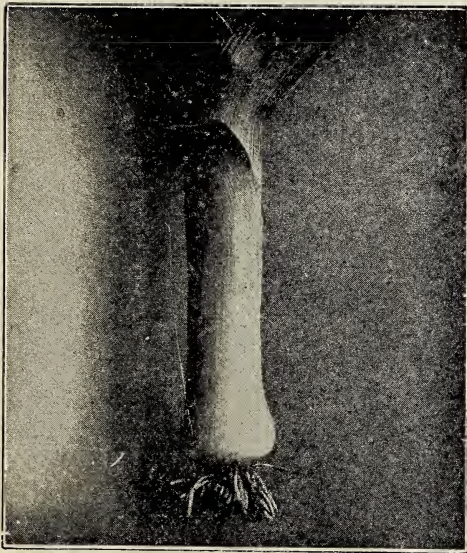
MUSTARD

Sow in spring as early as possible in drills 18 inches apart, covering one-half inch. Water freely. Sow every few weeks for succession. In the South it may be sown in the fall.

CHINESE BROAD LEAVED—Leaves twice the size of ordinary mustard. The flavor is sweet and pungent, and it is very easily prepared for table use. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.**

WHITE ENGLISH—Leaves rather small, smooth and deeply cut; of a medium dark green color. A very rapid grower and the leaves when young are mild and tender. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.**

GIANT SOUTHERN CURLED—Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Leaves boiled like spinach. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.**



Leek

LEEK

AMERICAN FLAG—A very fine, early productive variety; a strong, quick grower of mild flavor. The stems are 2 inches in diameter and easily blanch as high as 10 inches from the root. This is an excellent sort for fall and early winter sowing. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$2.50.**

HERBS

Pkt., 10c each

Anise—for garnishing, cordials and flavoring.

Basil, Sweet—The leaves and tops of the shoots are used for highly seasoned soups, stews and sauces; a leaf or two is sometimes placed in salads.

Borage—Excellent for bees. The leaves are used in salads, or boiled as Spinach; the flowers are aromatic and used in cool drinks.

Caraway—The aromatic seeds are used in confectionery, cakes and medicine.

Catnip—Used for seasoning, and also grown as a bee food.

Coriander—For garnishing; the seeds are aromatic and useful for flavoring.

Dill—The aromatic seeds are used in pickles, preserves, soups and sauces.

Florence Fennel—An excellent salad plant and is also boiled. The flavor is sweet, spicy and distinct.

Fennel, Sweet—The leaves boiled enter into fish sauces; beautiful for garnishing.

Lavender—A popular, aromatic Herb, emitting a delightful perfume.

Marjoram, Sweet—The leaves and shoots are used for seasoning.

Rosemary—The aromatic leaves are used for seasoning.

Sage—The leaves are used in dressing and in sauces.

Savory, Summer—Used for seasoning and flavoring soups and dressing.

Savory, Winter—A hardy perennial; the leaves are used for flavoring.

Thyme, Broad-leaved—The leaves are dried for seasoning.

KALE or BORECOLE

TALL GREEN SCOTCH CURLED—Very similar to the Dwarf Green excepting that leaves are a brighter green, a little coarser, and are borne at the top of a stalk two feet from the ground. It is of good quality and so hardy that a light frost improves rather than injures it. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

JERSEY OR COW KALE—A robust-growing sort, often 6 or 8 feet high; grown largely for stock and chicken-feed. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.20.**

DWARF GREEN CURLED SCOTCH—Known in the East as "Sprouts," and sometimes confused with Brussels Sprouts, which it does not in the least resemble. The cultivation is about the same as for cabbages. Four ounces of seed will sow 300 feet of row. Rarely exceeds 18 inches in height, but spreads under good cultivation to 3 feet in diameter; leaves beautifully curled and bright green; very hardy, and will stand out where temperature does not fall below zero. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

OKRA or GUMBO

The pods of this vegetable are very highly esteemed in the South for use in soups and stews and should be more widely used in the North. Plant in good, warm, rich soil after danger from frost is over, in rows thirty inches apart, the plants being one foot apart in row. The pods must be used when young.

PERKINS' MAMMOTH—Plants about three feet tall; pods four to five inches long, of handsome appearance, soft green in color, tender and of good quality, remaining tender until nearly full size. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.**

WHITE VELVET—Plants three feet tall and of handsome appearance; pods four or five inches long, round and of a white velvety appearance, quality is excellent and the pods remain in their prime for a long time. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.**

Plant herbs to flavor your vegetables.



New York Wonderful or Los Angeles

Knox's Lettuce

The ground for lettuce should be prepared the same as celery, that is, trenches should be dug about 5 inches deep and 2 feet apart. If seed is used it should be drilled 1 inch deep along the edges and both sides of the trench. When the plants are about 1 inch high they should be thinned to 12 inches apart, and the plants that are pulled can be transplanted to other parts of the garden. When irrigating, run the water at the bottom of the trenches, let it stand and sub-irrigate. Do not under any circumstances allow the water to cover the plants, as it will cause Stem Rot.

Lettuce, like Cauliflower and Cabbage, will not head solid during the hot summer months, although the Iceberg variety will grow and form loose heads fit for family use and should be planted from May 1st to July 1st. Los Angeles lettuce, which is the best winter and spring solid heading variety, can be planted from August 15th to April 1st. Excessive heat will sunburn lettuce on the inside of the heads and cause them to rot.

ICEBERG—A sure and hard-heading variety, the medium-sized plants, with strong midrib, producing large heads. Outer leaves light green, curly and finely fringed. Hearts a beautiful white, crisp and tender. Use this sort during the hot summer months. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.75.

CALIF. CREAM BUTTER—A crisp tender, richly flavored variety, forming large heads of a beautiful creamy color; medium early, and stands summer heat remarkably well. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

HANSON—A desirable, large-heading summer flavored variety, forming large heads of a beautiful creamy color; medium early, and stands summer heat remarkably well. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

BIG BOSTON—This fine variety is extremely popular for outdoor culture in the spring and fall, and

NEW YORK OR LOS ANGELES—(Known as California Dark Iceberg by some market gardeners and shippers.) This is the variety used almost exclusively in our markets and is grown on an immense scale.

The variety is deep green, but when prepared for the table the head is almost white and very crisp. It thrives in cool weather and is not recommended for the house garden in mid-summer. The proper name for the variety is **NEW YORK**, under which name it was introduced into America years ago, and in ordering, customers should use this name to get the true variety. We have an excellent and highly developed strain of it which is used in large quantities by the big shippers. For garden culture, sow the seed thinly and thin the plants when in the fourth leaf to at least twelve inches apart. This will seem like a wide distance, but to make solid heads, the plants need plenty of room. The soil should be well fertilized and irrigated. Pkt., 10c; oz., 25c; ¼ lb., 90c; ½ lb., \$1.75; lb., \$2.50.

for coldframe forcing. The plants are large, very hardy, and vigorous. The broad leaves are comparatively smooth, wavy at the edge, thin and crisp. We recommend it as one of the best home-garden lettuces on account of its easy culture. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

PARIS WHITE COS—Cos lettuce is of conical form, with elongated head. Outer coloring is yellowish green. Very crisp and sweet. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

EARLY CURLED SIMPSON—Forms a compact mass of yellowish green, curly leaves; earlier than head lettuce; grown in cold-frames and open ground. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.50.

EARLY PRIZE-HEAD—Leaves finely curled and crimped, bright green tinged with brownish red, crisp and sweet. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.50.



New York

Our Los Angeles Lettuce seed is select—forms a large, solid head.

MUSK MELONS

PERSIAN MUSKMELON—This is a large melon, from 8 to 10 inches in diameter, and is heavy for its size. The melons are heavily netted and are globular. Its color is bright orange. The flavor is different from other melons and comes out delightfully when the melons are well ripened. Do not try to eat them until fully ripe. Many persons prefer Persian melons before all other sorts. **Pkt., 10c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.**

HONEY DEW—The rind is a dull white when ripe. Part of the melon shows slight checks in the rind like a tendency to net. This appears when the melon is ready to pick. This melon is 6-7 inches through and about 8 inches long. **Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.**

POLLOCK—10-25—(Ten-twenty-five). This is a new main crop variety ripening at the same time as Rocky Ford. The melons are nearly round or slightly oval with no ribbing and densely netted all over the melon. Each melon is 5 to 6 inches long—a nice commercial size. The seed cavity is small and the flesh thick. Flavor is excellent and sweet. This is the standard muskmelon for the market and is excellent for the home garden. It is a newer selection from Pollock 25 and is considered a slight improvement over that splendid sort. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.**

HEARTS OF GOLD—It is an early pink flesh variety, with a moderate amount of netting and fairly distinct ribs. While an excellent shipping melon it is also equally well for both market gardeners and home use as it remains edible for several days. The melons weigh about one and one-half pounds each; the seed cavity is remarkably small and the flesh is sweet and spicy. **Pkt., 10c; oz., 20c; ¼ lb., 40c; ½ lb., 75c; lb., \$1.25.**



Tip Top

GOLDEN BEAUTY CASABA—One of the best casabas. Begins to ripen in July and continues ripening and bearing all summer and fall until frost comes. The later fruit can be stored in a cool house or cellar and will ripen slowly. Golden Beauty is bright yellow about globular, with wrinkled skin and slightly pointed at the stem ends. The flesh is fine-grained pure white, very thick and of an extra-good flavor. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.**

ROCKY FORD GOLD LINED—A perfect shipper due to the hard netted rind. Gets its name from the yellow tinge around the seed cavity. Has best flavor of all Rocky Fords. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.**

HALE'S BEST—An extra early salmon tint of remarkable flavor. The seed cavity is small and the attractive salmon tinted flesh is firm. Melons are oblong, well netted and very attractive. It is ten days to two weeks earlier than other shipping varieties and yields wonderfully well. Quite a few of them are being planted in the Imperial Valley for shipping purposes. **Pkt., 10c; oz., 25c; ¼ lb., 50c; lb., \$1.75; postpaid.**

ONION SETS

The earliest onions are grown from sets planted in September. This brings them in the market in February and March, when prices are highest. About 250 lbs. of sets will plant one acre.

Prices subject to market change. Write for Prices on larger quantities.

For the home garden no vegetable is so valuable as the onion, and for this purpose it is better to plant sets because they are ready for the table six weeks after planting. Set them three inches apart in rows six inches apart. When ready for use, take up every other one as needed, allowing the balance to grow to mature size. One pound of sets will plant about fifty feet of row. **Lb., 25c; 10 lbs., \$2.00. Not prepaid.**

SILVER-SKIN SETS

Sets from White Portugal or silver-skin seed. Make large silvery white onions of fine quality when mature. Plant a few also for early green onions. **Lb., 25c; 10 lbs., \$2.00. Not prepaid.**

PEANUTS

While it is not generally known, nevertheless Peanuts do well in many parts of California. They should be planted about April in rows and can be so grown between trees or vines. We carry the Japan Peanuts which are most used. The soil must be very sandy. **Lb., 25c.**



HONEY BALL MELON—The sweetest of the sweet and the most delicious of all melons. Is very prolific, a little larger than Rocky Ford, with flesh like Honey Dew. Melons are uniform in size and show considerable netting. Honey Ball matures in about 105 days from planting the seed. For marketing at a distance, it has no equal for the melons stay firm and keep well in storage. It cannot be surpassed for the home garden. From all tests and reports Honey Ball possesses characteristics that make it one of the finest melons ever offered to the grower, the shipper and the consumer. It is a cross between the California Honey Dew Casaba and the Texas Cannon Ball. **Pkt., 10c; oz., 25c; ¼ lb., 50c; lb., \$1.75.**

IMPROVED HYBRID CASABA—This is a large casaba, with a wonderfully sweet flavor; very prolific; extremely popular with the growers because of its heavy demand by the housewife; thick flesh of excellent quality. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.**

Rocky Ford is the best Melon. Honey Dew is just like honey. Try a few.

Watermelon

A light, sandy soil, with good exposure to the sun, is the best for watermelons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. To get good, strong vines early in the season form large, well-drained hills of earth, made very rich, about 8 feet apart. In these plant the seed as soon as the ground is warm and dry, dropping 6 to 10 seeds to the hill. Protect the young plants from insects. One oz. to 30 hills, 3 lbs. to the acre. When the plants are about 4 inches high thin out, leaving only four of the strongest plants to each hill.

TOM WATSON—An extra long melon of attractive appearance, uniform in shape and quality. The dark green rind is tough, but thin and easily withstands shipment to distant markets. The deep red flesh extends to within three-fourths of an inch of the green rind, is crisp, melting and of finest flavor. The melon measures about 24 inches long and 12 inches in diameter and often attains a weight of from 50 to 60 pounds. It is very prolific, producing in great abundance the large, delicious fruits. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

ANGELINO—This new variety of melon is coming to be a great favorite with shippers. Dark green with a bright red flesh and excellent flavor. It stands up well and sells easily. Seeds must be soaked a few hours before planting, otherwise they tend to rot. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

GYPSY OR GEORGIA RATTLESNAKE—An old standard sort that is very popular especially in the South. Very large, oblong, distinctly striped and mottled; flesh dark red and very sweet. Skin firm and solid, making it a good shipping sort. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

FLORIDA FAVORITE—A splendid long melon of very large size and excellent quality. Dark green skin mottled and striped with lighter green; thin but firm rind. Flesh is very deep red, sweet, and tender. Vines vigorous and productive. A good keeper. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.



Tom Watson

EXCEL—To the grower and shipper who wants a large melon the Excel fills the bill. It is oblong dark green with a suspicion of a stripe, and will average 35 lbs. and is of excellent flavor. It is a good shipper and has maintained its popularity for many years. Our seed is from our own growing and is true to type. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

BLACK SEEDED ANGELINO—Many prefer a melon with black seed. This variety has all of the good points of Angelino—bright red flesh, sweetness and size. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

CHILIAN, WHITE-SEEDED—This melon in some sections of the state is known as the Cannon-Ball Melon on account of its shape. The rind is thin and the flesh is deep red and deliciously sweet. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

Our position as **MARKET GARDENERS' SEEDSMEN** is well and favorably known both at home and throughout the country. Our pre-eminent standing in this line of the Seed Business has been long established. The Market Gardener, when he plants **KNOX'S SEEDS**, may therefore feel reasonably sure that he is planting the best seeds obtainable.



Klondyke

KLONDYKE—Has bright red flesh, firm, and exceptionally sweet. Skin too thin to make a shipping melon, but for the garden there is no melon quite the same. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

BLACK-SEEDED CHILIAN—This is a melon of the round type whose flesh is bright red and the flavor remarkably fine and sweet. The rind is very thin and brittle and the skin colored a deep rich green, mottled with a darker green; a fine type of melon recommended for the home garden. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

KLECKLEY'S SWEET—Very productive. The fruit is oblong, color dark green, flesh deep red, stringless, solid and very sweet; with but few seeds set near the rind. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.



Kleckley Sweet

Plant Black Seeded Angelino for good market Watermelons

Knox's Selected Onions

Onions are extremely hardy and will grow in any soil. No special knowledge or care is required, providing the soil is kept loose, and naturally onions, like anything else, will do better in good rich soil well drained. For extra early onions the seed should be sown in beds from August 1st to October 1st. Transplant when they are as large as lead pencils 5 inches apart, in rows 15 inches apart during December and January, as the plants will be large enough by that time.

California Early Red is the earliest onion, maturing in May, the yellow, white and brown in June, and the Italian Red in July. A large percentage of the onions are grown along the rivers on bottom land and the seed is sown in December and January drilled in rows 16 to 18 inches apart and later thinned to about 4 inches apart. About 4 pounds of seed is required to plant one acre. This crop matures during August and September. The brown and yellow varieties are the ones most extensively planted. If mildew should attract onions, dusting with sulphur will prevent it if applied in time.

LONG ITALIAN RED—One acre planted in Italian Reds will produce twice as many sacks as any other variety of onion, and it can be harvested with one-half the labor, as it grows half out of the ground, making it easy to harvest. It is not a good keeper, but its extreme sweetness has found favor with the consumer, making a ready sale when they are ripe for the market. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$4.00.

LARGE RED WETHERSFIELD—A very popular standard variety, with handsome large, bright purplish red, somewhat flattened although quite thick, smooth, glossy, bulbs. Flesh is firm, purplish white, rather strongly flavored but pleasant. Medium early or main-crop sort, very productive, and one of the best keepers. Pkt., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.50.

SELECTED YELLOW GLOBE DANVERS—Our strain of this fine main-crop onion has retained the small neck and the uniformity of ripening without yielding any of the good features of the original strain. The bulbs, of medium to large size, are uniformly globe-shaped, with small neck, ripen evenly, and are of a rich coppery yellow color. The flesh is creamy white, crisp, solid, and of mild and fine flavor. An excellent keeper. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$2.00.

AUSTRALIAN BROWN—Exceeds any other onion in keeping qualities. Will produce a fine crop of hard, solid onions, even in unfortunate seasons. Of globe shape. The skin is light brown, flesh pure white and exceptionally mild. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.



WHITE PORTUGAL or SILVERSKIN—An extremely popular and fine white sort for sets or for use when young. Mature bulbs are of medium size, flattened globe shape, of mild flavor and beautiful silver white skin. Bulbs when young are nearly round and cannot be improved upon for table use, pickles or for salad. This is the finest flattened white onion for growing in the North. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.25.

YELLOW DANVERS—A popular early flat variety that is excellent either for home use or main crop for gardeners. Flat but thick bulbs, thin necks, thick brownish, yellow skin of good quality and mild. Uniform in size, sure in ripening and very productive. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

PRIZETAKER—A large Yellow Globe Onion of finest flavor, handsome shape and enormous size, many single onions having been raised to weigh three pounds or over. The Prizetaker grows always to a perfect globe-shape with a bright straw-colored skin. Pkt., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.50.

EARLY CALIFORNIA RED—The best early red Onion to be had, as it is of good size, beautiful red, and as sweet as an apple. We recommend it for home use. Pkt., 10c; oz., 40c; ¼ lb., \$1.20; lb., \$4.00.

SPANISH YELLOW—An exceptionally fine onion well adapted to warm climate. It is round, smooth and of very fine texture. The flavor is very mild. For shipping there is none better. A late variety maturing about the same time as the famous Australian Brown. Pkt., 10c; oz., 40c; ¼ lb., \$1.50; lb., \$4.00.



SOUTHPORT WHITE GLOBE

Differs from other Southports in color only; has all their general excellence. A favorite, owing to its beautiful color, shape and attractiveness. Southports command a big price on Eastern markets. The bulbs are of good size, splendid globe shape, pure white in color. Matures in 125 days. Pkt., 10c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00;

Italian Red is the largest and sweetest Onion. Australian Brown the best keeper.

Knox's Parsnip

One ounce will sow 150 feet of row

Use a deep, rich sandy soil, although any deep, mellow, moderately rich soil will produce good roots. Sow as early in spring as possible, in rows which are 1½ feet apart, covering firmly with ½ inch of fine soil. When plants are well up, thin to 2 or 3 inches apart in the row. Cultivate frequently. Parsnip seed is slow to germinate; sowing should be made early and soil pressed down firmly over seeds.

HOLLOW-CROWN—The roots are about 10 inches long, with smooth white skin, uniform in shape, tapering evenly from a heavy shoulder down to a small root, tender and of best quality. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

SALSIFY OR VEGETABLE OYSTER

Sow early in spring in drills 15 inches apart, and thin to 2 inches apart. Cultivate like carrots or parsnips. Its taste is similar to oysters when cooked, hence the name.

MAMMOTH SANDWICH ISLAND—The roots grow to double the size of the old sort, are very smooth, of superior quality, and delicate flavor. Pkt., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.50.

RHUBARB OR PIE PLANT

RHUBARB is very highly esteemed for use in pies, tarts, jelly and marmalade, and large quantities are sold in all markets every year. It is the first article of the season from the garden, and no private garden should be without it. Sow in drills one foot apart early in the spring. In the fall or next spring transplant three feet apart in deeply dug, very rich soil. Excellent for pies and tarts.

STRAWBERRY—A good size highly colored variety well adapted to San Joaquin Valley. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

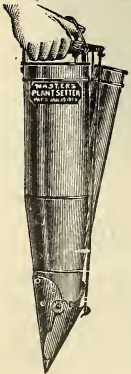
GIANT WINTER—It is undoubtedly a very productive and therefore very profitable variety. It is displayed at the market places in apple boxes, and the boxes are barely long enough to accommodate the large, thick stems that will average one-half pound each, often weighing more than a pound. It is remarkably early, bearing large stems within five months from planting the seed, and grows nearly the entire year. The stems are so tender that they do not need peeling. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

RHUBARB ROOTS

Set in January, they will furnish leaf stalks the following season. Large roots, each, 15c; 2 for 25c; doz., \$1.00, by mail, postpaid. By express at purchaser's expense, 25 for \$1.50; 100 for \$5.25.

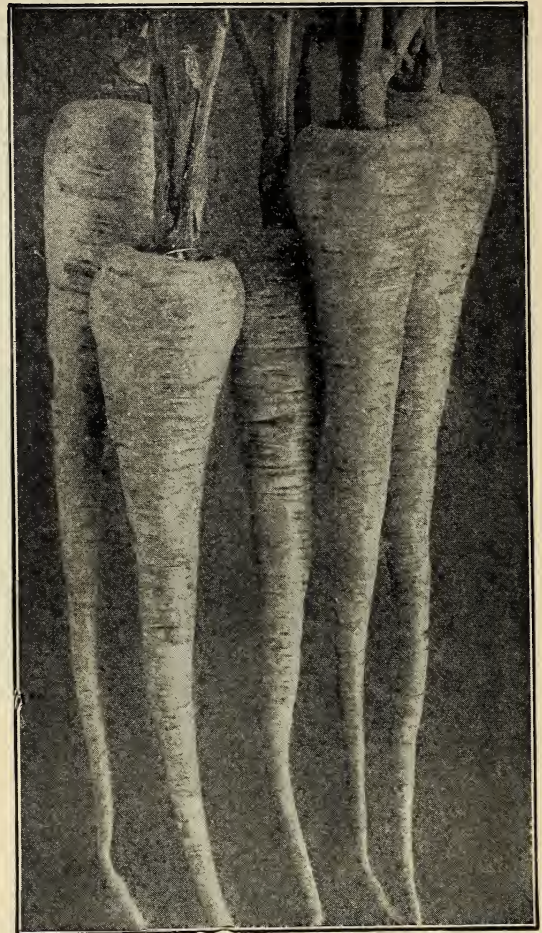
ROSELLE, THE SWEET CURRANT JELLY PLANT

ROSELLE makes a bright red jelly that both looks and tastes very much like currant jelly. Roselle seed should be sown in April in the field where the plants are to remain, in rows 6 feet apart and thinned to 2 feet in the row. The plants grow rapidly and thrive in the interior valleys. In making jelly it is best to remove the seed pod. Pkt., 10c; oz., 60c.



MASTER'S PLANT SETTER

Is a practical tool for transplanting cabbage, tomatoes, tobacco, sweet potatoes, cauliflower, peppers, egg plant, strawberries and all similar plants. Each plant is set, watered and covered in one operation. There is no stooping or bending over, just straight ahead easy, pleasant work. All of the hard, tedious labor of hand setting is done away with. One man will set more plants than three men can do by hand and do it better and easier. It does perfect work and every plant will grow. Each, \$6.50.



Hollow Crown

POTATO BEETLE—These striped yellow and black beetles appear in numbers in early spring and as soon as young plants are up. They commence depositing eggs on the underside of leaves, meanwhile feeding upon the tender foliage. In about one week these hatch a horde of hungry larvae who destroy the foliage rapidly, attaining full size in from 2½ to 3 weeks. Remedies: Spraying or dusting with Arsenate of Lead, Paris Green.

CUCUMBER BEETLE—These striped black and yellow beetles appear in great numbers and attack the young plants as soon as up. Protect the vines with screens until they begin to run. Spray or dust with Bordeaux Mixture, Arsenate of Lead, Hammonds' Slug Shot, Tobacco Dust, covering underside of foliage.

APHIDES—Plant Lice, Green Fly, Bark Lice, etc., are minute insects feeding upon the sap in the tender parts of plants, both indoor and out. Can be successfully destroyed by the use of Black Leaf 40. A contact remedy is effective only when the poison touches the insect. Be sure to cover the underside of the leaves.

Follow our planting instructions—they are as accurate as can be had.

Knox's Improved Peas

Write for Prices in large quantities

One pound will sow 60 feet of row. Light, moderately rich soil is best for this crop. Sowing of the first early variety should be made in October, and the other varieties for successive crops. Plant every two weeks until the first of April. Peas are sown in single or double rows, from 2 to 6 feet apart, according to the variety or height to which they attain. Have the rows of the dwarf varieties 2 feet apart, and those of the medium sorts from 3 to 4 feet apart, and the tall varieties from 5 to 6 ft. apart.

Twenty-five pounds sold at 100-pound rates.

EXTRA-EARLY VARIETIES

ALASKA or EARLIEST OF ALL—A smooth pea, well suited for extra-early planting. Vine $2\frac{1}{2}$ feet high, and carries usually 5 pods, each holding 6 or 7 Peas. Will not rot in cold, wet ground; popular with canners. Pkt., 10c; lb., 30c; 10 lbs., \$2.25.

MEDIUM EARLY VARIETIES

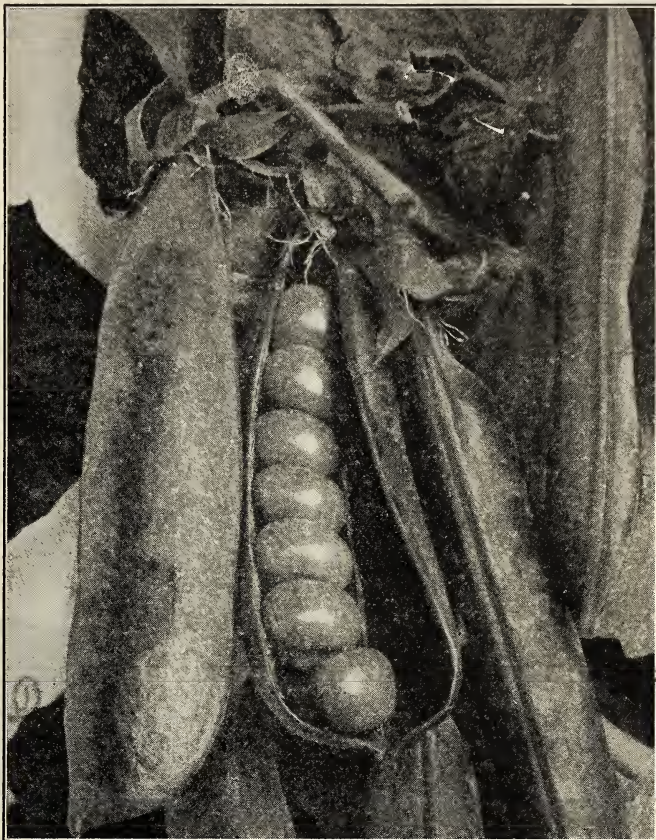
BLUE BANTAM—We expect this variety to become one of the most popular dwarf varieties for home and market-garden purposes. Pkt., 10c; lb., 35c; 10 lbs., \$3.00.

AMERICAN WONDER—Height, 10 inches. This variety heads the list of peas in flavor and quality. The vines bear a great abundance of good sized pods containing 5 to 8 large, exceedingly sweet-tender and well-flavored peas. This is the earliest of the dwarf wrinkled varieties, being nearly as early as the smooth sorts. This seed is medium sized, wrinkled and pale green. These peas are especially adapted to family use as they require no brush or other support. Pkt., 10c; lb., 30c; 10 lbs., \$2.25.

LITTLE MARVEL—An extremely valuable variety, especially suited to small home gardens and is also a splendid variety for early market gardening. It matures very early and produces large crops. The vines grow about 15 to 18 inches high. Pkt., 10c; lb., 35c; 10 lbs., \$2.50.

LAXTONIAN PEAS—The largest, the sweetest and most luscious of the second earlies. In fact it is exceptionally large. It is a dwarf, wrinkled variety that grows about 18 inches in height, a very prolific bearer, few if and producing more. Laxtonian has an unusually superlative luscious sugar flavor. Pods 4 to $4\frac{1}{2}$ inches long and literally jammed with 8 to 10 peas, almost double in size of other dwarf peas. Pkt., 10c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.50; Postpaid. 10 lbs. or more at 25c per lb. Not postpaid.

GRADUS, or PROSPERITY—The most popular large-podded wrinkled sort. It matures just after the extra-early varieties, and produces a good crop of pods 4 inches long, providing it is planted on light warm, rich soil, but very disappointing under adverse conditions. The quality is excel-



Yorkshire Hero

lent. Height 3 feet. Pkt., 10c; lb., 35c; 10 lbs., \$3.00.

THOMAS LAXTON—A fine, early, tall variety, similar to Gradus, but more hardy and not quite so early. It is also a little darker in color and has large, blunt pods that fill well with Peas of finest quality. Pkt., 10c; lb., 30c; 10 lbs., \$2.25.

Main and Late Crop Peas

ALAMEDA SWEET, or YORKSHIRE HERO—For the market grower, this variety is without a peer. A main-crop Pea, producing long, round pods, closely filled with large, wrinkled, tender Pods, of good quality. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

IMPROVED STRATAGEM—An improved variety comprising all the good qualities of the old Stratagem highly developed; the pods are of immense size, well filled with dark green Peas of the finest quality; a heavy cropper; 2 feet high. Pkt., 10c; lb., 35c; 10 lbs., \$2.50.

TELEPHONE—Immensely productive and of the finest quality. Vines very strong, averaging 18 to 20 pods per stalk. The pods are of large size, containing 6 to 7 Peas each, which are of a pale green, and are closely packed in the pod, and of most delicious flavor. The Telephone is decidedly a popular variety for the market gardener, the number of pods on a vine making easy picking

and the large size filling the basket very quickly. For many years it has been the standard main-crop variety, 4 feet. Pkt., 10c; lb., 35c; 10 lbs., \$3.00.

ALDERMAN—This is a very large-podded Pea, very robust and vigorous, producing pods of the largest size. The pods are even larger and longer than the average large-podded sorts, and are well filled with large Peas of most excellent flavor. In habit, the vines are strong and branching, bearing rich, deep green, straight, handsome pods, pointed at the end. This variety belongs to the tall-growing main-crop class of Peas. The vines are from $3\frac{1}{2}$ to 4 feet in height. A point of superiority which must not be overlooked is the unusual flavor and quality of the Peas. As it is true of most wrinkled varieties they are delicious, but the Alderman is of a quality surpassing many of the others. Be sure to include Alderman Peas in your order. Pkt., 10c; lb., 35c; 10 lbs., \$3.00.

For succession of Peas in the garden we suggest planting Little Marvel, Laxtonian, and Alderman



Peas

(Continued)

HUNDREDFOLD — Used for home and market gardening. Vine is 18 in., dark, medium coarse. The pod is 3¼ in., pointed, dark, single. The season is 62 days from planting to table and 80 days from planting to maturity. The seed is large, yellow and green, flatish and wrinkled. Pkt., 10c; lb., 35c; 10 lbs., \$3.00.

MELTING SUGAR, EDIBLE PODS—Height 4 to 5 feet. Well deserves its name. Should be cooked and eaten pods and all, the same as Wax Beans. Pods are stringless and when cooked are tender, sweet and sugary—a great improvement over the ordinary Sugar Pea. A few rows of this variety should be in every home garden. Pkt., 10c; ½ lb., 20c; lb., 35c, postpaid; 10 lbs., \$3.00.

Knox's Peppers

For early peppers sow the seed in hot beds in December and January. Transplant as soon as weather and soil in your locality will permit, 18 inches apart in rows 30 inches apart. For later crop you may also sow seed in February and March. Pepper seed germinates slowly and needs the heat of a hot bed to germinate in these buy plants already started if only a few are wanted. The very same rule applies to the planting and growing of egg plant. These two varieties of vegetables are rather hard to start from seed, but when once transplanted they are extremely hardy and will grow on any soil and do not take any special care or attention.

LARGE BELL or BULL NOSE—The plants are vigorous, about 2 feet high, compact and productive, ripening their crop uniformly and early. Fruits are large, about 3 inches long and 3 inches across the top, with very thick, mild flesh of excellent quality. The color is deep green when young, glossy scarlet-crimson when ripe. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

PIMIENTO—An excellent attractive and very productive variety. The fruits are medium sized, smooth and glossy green, becoming red as they mature. The meat is thick and of a fine sweet flavor. The plants are vigorous and of medium height. This sort is largely used by canners, but is equally valuable for salads and for stuffing. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

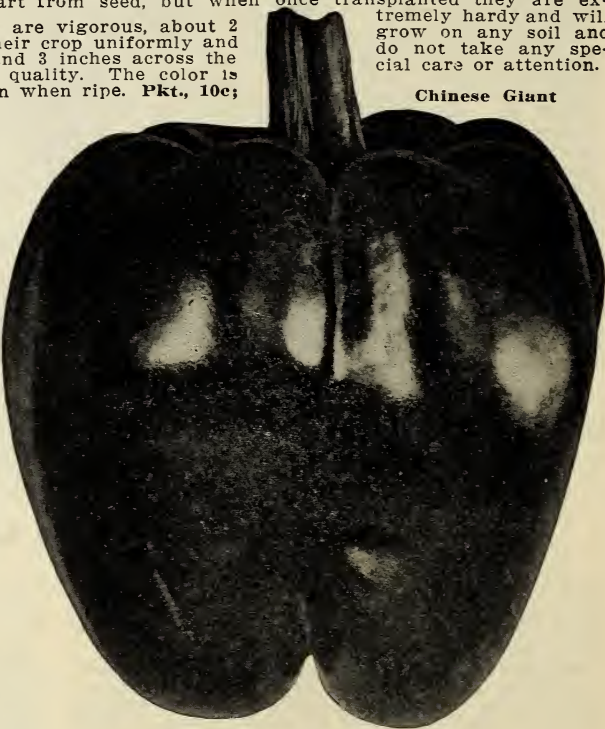
CHINESE GIANT—An exceedingly large red pepper. The plants are vigorous but stocky, 2 feet high, well-branched and thickly set with fruits. The monstrous fruits mature slightly later than Ruby King, are blocky in form, 4 to 5 inches broad at the top and of equal length, divided into four or more ridges, of a brilliant glossy scarlet, and mild in flavor. Pkt., 15c; oz., 55c; ¼ lb., \$3.00; lb., \$10.00.

LONG RED CAYENNE—A red hot variety. The slender, tapering, twisted, pointed pods are pendent and average 3 inches in length, diameter reducing from ½ inch to the point. They are deep green when young, bright red and very pungent when ripe. Plant is productive, branching and with dark green foliage. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$4.50.

RED CHILI—Small bright red Peppers, very hot and pungent. The pods generally used in making "Pepper Sauce." Pkt., 10c; oz., 50c; ¼ lb., \$1.30; lb., \$4.50.

RUBY KING—Plants are about 2½ feet high, vigorous, compact, and very productive. The fruits are 4 to 5 inches long, of a deep green color when young and bright red when ripe. The shape is similar to Bull Nose but longer, slimmer, far more symmetrical, and more perfectly formed. Flesh is thick, mild and sweet. Pkt., 10c; oz., 50c; ¼ lb., \$1.25 lb., \$5.00.

ANAHEIM CHILI—This Pepper is largely grown and is used dried for canning. It is long, 7 inches or so, medium-sized in width, and thick fleshed. The flavor is mild for a Chili Pepper, and one liked by Mexicans and Americans alike. Pkt., 10c; oz., 50c; ¼ lb., \$1.35; lb., \$4.50.



Chinese Giant

PARSLEY

CHAMPION MOSS CURLED — Leaves tender, beautifully crimped, handsome bright green color. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

FINE DOUBLED CURLED—Fine dwarf; crimped leaves. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

PLAIN-LEAVED—Much used in soups, etc., rather stronger in flavor than the other sorts. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

Chinese Giant is the best Market Pepper.

Knox's Pumpkins

Pumpkins are frequently planted in connection with a crop of field corn, and if you grow corn you may just as well grow pumpkins. They will grow best in soil kept moist by the dry farming method, as too much moisture will kill them. Plant the seed in open ground, after the danger of frost is over, in hills 8 feet apart each way, drop from 8 to 10 seeds per hill and when the plants are about 5 inches high and danger of insect pests is past, thin to 3 or 4 of the healthiest plants. If irrigation is needed, run the water in ditches about 18 inches from the hill. Do not plant near squashes or melons as they are likely to mix. About three pounds of seed will plant one acre.

CALIFORNIA FIELD—The well-known ordinary Pumpkin, largely used for stock-feeding. The fruit is variously colored in yellow, drab, red and orange, and varies also in size, but is usually very large. Is a heavy cropper and easily grown. **Pkt., 10c; lb., 75c.**

CONNECTICUT FIELD—This is widely known as the Yankee Cow Pumpkin, and there is no variety that will do as well among the corn. Plant them on your richest land; you will be amply repaid. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.**

CUSHAW or CROOKNECK—Very productive, color light cream, sometimes lightly striped; flesh yellow, mealy, sweet. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.**

SMALL SUGAR or NEW ENGLAND PIE—This excellent variety is small, round or somewhat flattened, about 8 to 10 inches in diameter, slightly ribbed, and of a deep orange color. The flesh is a rich deep yellow, fine-grained and very sweet. A superb kind for pies. **Pkt., 10c; oz., 20c; ¼ lb., 35c; lb., \$1.25.**

MAMMOTH KING—Flesh and skin bright golden yellow. Flesh fine grained, excellent quality. One of the best pie pumpkins and a splendid keeper. This enormous variety has been grown to weigh 200 pounds. **Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.**

LARGE SWEET CHEESE or KENTUCKY FIELD—One of the old standard sorts. Flat and often 20



inches in diameter; skin buff; flesh thick, yellow and of fine quality. Productive and an excellent keeper. Good for stock feeding as well as pies. **Pkt., 10c; oz., 20c; ¼ lb., 35c; lb., \$1.00.**

Knox's Oregon Grown Potatoes

600 pounds will plant an acre.

We are large handlers of all varieties of Potatoes for Seed. Write for Prices when interested.

It is best to cut the Potatoes with two or three eyes to a piece, planting these in rows or hills about 3 feet apart and about 15 to 18 inches apart in the row. Write for prices, as market fluctuates.

AMERICAN WONDER—This early white potato is becoming more popular each year; it is a good size, smooth, and a splendid keeper. As a producer it has no equal among early potatoes. We have excellent strains for both Oregon and California seed of this variety.

WISCONSIN PRIDE—A medium early heavy cropper potato. The most favored of the market gardener.

EARLY ROSE—This pink-skinned variety is noted for earliness, productiveness and fine quality.

BRITISH QUEEN—A white potato about the same shape as the White Rose. It is noted for its very heavy yield.

BURBANKS—A standard late variety. It is of good size, of fine form and an excellent yielder. The flesh is white, very mealy and of fine flavor and quality. This variety is well adapted to heavy soils.

WHITE ROSE—A variety with the earliness of a Red Rose and all the qualities of a good white potato. A very good producer. Somewhat longer than the Red Rose.

PEERLESS—A medium early white potato. A very heavy producer. Tubers are somewhat round of very good texture and flavor. Very popular.

Oregon Burbanks

WISCONSIN PRIDE
The best late potatoes.



Grow Pumpkins in your Corn—a valuable hog food.

Knox's Radishes

One ounce will sow 100 feet of drill, 8 to 12 lbs. per acre. For first crop as early in the spring as the ground can be worked, and every two weeks throughout the season for succession. A warm, sandy loam, made rich and light by strong manure, is best. Sow in drills 10 to 12 inches apart. The winter varieties should be sown in July and August.

EARLY SCARLET TURNIP—A rich scarlet-red radish, turnip-shaped with small top. Flesh is white, crisp, tender and of mild flavor. This Radish is of very rapid growth and a standard variety. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

LONG WHITE ICICLE—For the home garden we consider this a most excellent table variety. Its extreme earliness, beautiful, pure white appearance, excellent flavor and crispness should make it a favorite everywhere. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

LONG SCARLET—Fiery scarlet, the brightest color of any Radish, tipped with white; early, maturing in 20 to 25 days; crisp and tender. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

ROUND BLACK SPANISH—A general favorite. Very similar to Long Black Spanish except in shape, which is round to top shaped. Skin black, flesh white and pungent; keeps well. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

WHITE-TIPPED EARLY SCARLET TURNIP RADISH—For many years we have found this variety to be the most popular of all among private gardeners, and unsurpassed as a table Radish, where by reason of the strong contrasting colors of the root it makes a most attractive appearance. The flesh is crisp, white and tender, and extremely mild. Price, 10c pkt.; 15c oz.; 40c ¼ lb.; \$1.25 lb.

CHINESE ROSE—Very popular with market gardeners; very smooth, bright rose color; large. Pkt., 10c; oz., 20c; ¼ lb., 30c; lb., \$1.25.

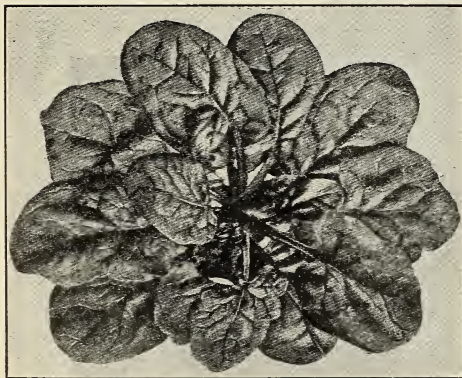
CALIFORNIA WHITE MAMMOTH—Long white, of large size. A good keeper; flesh tender and crisp. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

CRIMSON GIANT—A large sized extra early turnip radish, a little longer in shape than the Scarlet Turnip but brighter red color; twice the size. It grows quickly and even when it attains large size remains tender and of fine flavor to the last. Will prove a money-maker for the market gardener, as its bright crimson color makes it a seller on first sight. Equally valuable for home garden use. Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., \$1.25.



Knox's Spinach

This plant will grow in any ordinary soil, but responds well to fertility. Sow early in the spring in drills twelve to eighteen inches apart. For early use sow light covering of leaves or straw. One ounce of seed will sow fifty feet of drill.



Amsterdam Giant

This plant will grow in any ordinary soil, but responds well to fertility. Sow early in the spring in drills twelve to eighteen inches apart. For early use sow in August or September, protecting the plants with a light covering of leaves or straw. One ounce of seed will sow fifty feet of drill.

PRICKLY or WINTER—Especially recommended for fall sowing, although it does well if sown in the spring. The plants grow quite large and the light green leaves are medium sized, thick and fleshy. It goes to seed sooner than some other sorts. Pkt., 10c; ¼ lb., 20c; lb., 60c.

SAVOY LEAVED or BLOOMSDALE—Leaves are very curled and crumpled. It is early and very hardy, being splendid for winter use. Much used by Southern truckers as it is a splendid shipper. Pkt., 10c; ¼ lb., 20c; lb., 60c.

LONG STANDING—An improved strain of excellent merit having all the good qualities of the ordinary sorts, and especially desirable because it is much later in going to seed. Pkt., 10c; ¼ lb., 20c; lb., 60c.

GIANT AMSTERDAM—This variety has become popular as an all-around Spinach. It is desired by the grower because it is hardier than other varieties and will produce in tonnage per acre more than any of them. The canner and shipper like it because of its large smooth leaves. The consumer prefers it because it is exceedingly tender and of mild flavor. Pkt., 10c; ¼ lb., 25c; lb., 60c, postpaid.

Spinach is becoming more popular every year.

Knox's Squash

Any good enriched soil is adapted to the growing of the Squash. The seed should not be sown in the spring until danger from frost is past and the ground is warm. Plant in hills (about 8 to 10 seeds to a hill) the early sorts 4 to 6 feet apart, the late varieties 8 to 12 feet. Thin out to three plants in the hill. Keep the earth about the plants loose and free from weeds. One ounce for 25 hills, 3 to 4 pounds per acre.

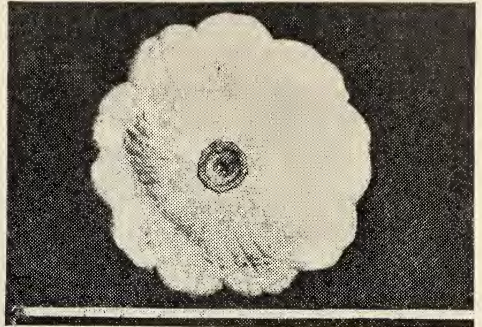
EARLY WHITE BUSH—This is the well known White Pattaypan Squash. The earliest to mature, very productive, light cream colored. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.**

GOLDEN SUMMER CROOK NECK—Early and prolific. The fruits are of the true crook-neck type, heavily warted, and of light golden color; about one foot long. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.10.**

BOSTON-MARROW—A very prolific fall and winter Squash of medium to large size and oval shape. The thin skin is orange-yellow in color; flesh is rich salmon-yellow, fine-grained and of excellent flavor and quality. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.**

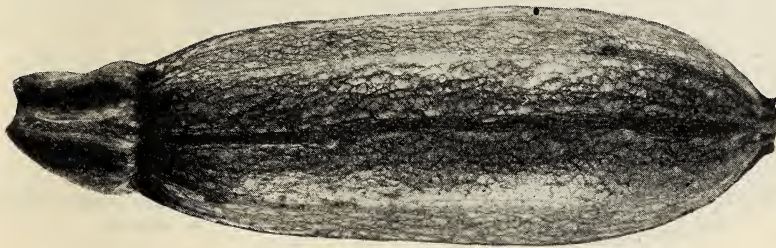
PERFECT GEM or CREAM—Long-keeping winter Squash, 4 to 6 inches in diameter; apple-shaped, distinctly ribbed with smooth, cream-colored skin. Is solid and rather hard, but bakes to a delicious soft consistency on the inside. Although a small variety, it is a great keeper and is used mostly in winter. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.**

BANANA—This squash grows from one to two feet in length. Flesh firm and solid, of beautiful orange-yellow and excellent quality. It keeps from one season until another. When quite young it is excellent to cook as a marrow. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.**



White Bush Scallop

GOLDEN HUBBARD—The flesh is of a deep golden yellow—a much richer color than the Hubbard—fine grained, cooks very dry, and has excellent flavor. In its keeping qualities it is fully equal to the green variety. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.15.**



Zucchini

COCOELLE SQUASH—Is a bush variety, and should be planted 5 feet apart. It should be used when quite young. When served it has a rich creamy flavor not equalled by any other squash. Some gardeners have made considerable money making a specialty of it. For the family garden we would recommend its use instead of the small White Bush Scallop, because of its excellent flavor. Since our introduction of this squash a few years ago, it has now become one of the staple products on the market. It is listed with the daily market reports, and is grown largely by the gardeners in frostless sections for the early trade. **Pkt., 10c., oz., 20c; ¼ lb., 60c; lb., \$2.00.**

ZUCCHINI SQUASH—The favorite Italian squash. Grows from five to eight inches in length, is one of the most prolific early Summer varieties and is popular on the market and for home use. A few hills of Zucchini will suffice to keep the family well supplied for the entire Summer. Market gardeners will find our seed highly satisfactory for

producing uniform and marketable size squash. **Pkt., 10c; oz., 25c; ¼ lb., \$2.50; postpaid.**

GREEN WARTED HUBBARD—This variety is grown more largely throughout the United States than any other. It is used in many ways, but mostly for pies. It is a good keeper and because of its hard warty rind, it is the best of shippers. Therefore many acres are grown in Southern California for that purpose, and many more for the bakers, the canners and family consumption. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.15**



Green Warty Hubbard

VEGETABLE MARROW—The fruits are oblong in shape, skin smooth and creamy white. The plant is vigorous and very productive. Marrow Squashes are largely grown in England and should be more generally used in this country, as the quality is exceedingly delicious. When the fruits are nearly half grown the flesh is very tender and marrowy, and may be prepared for the table either cooked or fried. **Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.75, prepaid.**

Plant White Bush Scallop Squash for summer and Hubbard for winter

Knox's Tomatoes

Tomatoes succeed best in well manured, light sandy soil. For early plants sow seed in boxes or hot-beds in January. When the plants are about two inches high transplant to four inches apart each way. Set out of doors as soon as danger of frost is over. Transplant carefully, six feet apart each way, and cultivate well as long as vines will permit. To obtain early fruit pinch off the ends of the branches when the first fruit is set. Our seed stock is of the very best selection. One ounce of seed for 2,000 plants.

**Tomatoes
are a sure
crop**

**Plant Stone
variety for
Canning**



**Do not plant
too close**

**Do not water when
in bloom**

Ponderosa

PONDEROSA—The largest tomato in existence. The vines are vigorous and tall growing and extremely productive. The purplish-pink fruits are very solid with few seeds, fairly smooth, and considered of very good quality by those who prefer a tomato quite free from acid. Ripens about mid-season. Desirable for slicing. **Pkt., 10c; oz., 45c; ¼ lb., \$1.65; lb., \$6.00.**

NEW STONE—It ripens for main crop, is very large and of bright scarlet color, very smooth, ripening evenly to the stem without a crack; exceedingly solid and firm fleshed. **Pkt., 10c; oz., 35c; ¼ lb., \$1.20; lb., \$4.50.**

NEW MARGLOBE TOMATO—The Popular Wilt and Nailhead Rust-Resistant Sort. 100 days. (Bright Red). This grand new tomato was developed by the U. S. Department of Agriculture and thoroughly tested in sections where Wilt and Rust diseases are very destructive. If you have met with disappointment in growing tomatoes on account of Wilt or Rust, you will be interested in this new tomato. Marglobe produces a very heavy crop either on infested soils or on soils from diseases, producing large smooth, deep globe-shape, meaty, bright red tomatoes, in 100 days. Ripens uniformly even around the stem and resists cracking well. A heavy yielder. Excellent sort for the home garden, market gardeners, canners or greenhouse culture. **Pkt. 15c; ½ oz. 35c; oz. 60c; ¼ lb. \$1.75; ½ lb. \$3.25; lb. \$6.00.**

CHALK'S EARLIANA JEWEL—About ten days later than Earliana, a good yielder, colored scarlet smooth, with much better core than Earliana. Our strain of this tomato is of the very best. **Pkt., 10c; oz., 35c; ¼ lb., \$1.20; lb., \$4.40.**

GOLDEN BEAUTY—Largest yellow variety. **Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.**

SPARK'S EARLIANA—A perfect early tomato, large in size and beautiful in color, nearly seedless and very solid, a vigorous grower and prodigious bearer, yielding its splendid fruit until frost. **Pkt., 10c; oz., 35c; ¼ lb., \$1.20; lb., \$4.40.**

SAN JOSE CANNER—This is a large fruited variety, rather late in ripening, producing a large fruit. Has a small core, is very meaty and solid. The plant continues to bear well right up to frost time. Highly recommended for canners. **Pkt., 10c; oz., 35c; lb. \$3.50.**

TOMATO NORTON OR WILT RESISTENT STONE—Introduced by the United States Department of Agriculture. It is the result of work accomplished by Dr. Prichard to produce a variety resistant to Fusarium Wilt, a disease prevalent in different parts of the United States. Besides being resistant it is a good variety in disease free soil, resembling closely the Improved Stone. Perhaps a little later than Stone, it is very prolific. The fruit is smooth and bright red in color. It requires a full season to mature. **Pkt. 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.50; lb., \$6.00.**

GROUND CHERRY—Husk or Strawberry Tomato. Fruit golden yellow, size of a cherry. The fruits are enclosed in a husk. Excellent for preserves, sauces or pies; very productive. **Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.**

TOMATO WORM

The moths appear in May or June and deposit the eggs singly upon the lower surface of the leaves from which the caterpillars hatch in 4 to 8 days. As they feed voraciously they become full grown in 3 weeks time. There are sometimes two broods in a season. The most successful remedy is Arsenate of Lead.

Plant Earliana Tomatoes for first early and Stone Tomatoes for main crop

Knox's Turnips

Turnips are cool weather plants and thrive best in spring and fall. For early use seed should be sown as soon as the ground can be prepared and will give roots large enough for the table in six to ten weeks. For the fall crop seed should be sown June to August and the plants will grow until freezing weather, when they should be harvested and stored. Rutabagas after a touch of frost are a delightful addition to the winter diet. To avoid maggots, it is best to sow turnips on different soil each year.

A loose and fertile soil is needed to mature early turnips rapidly, and avoid a bitterness which develops when growth is checked. The plants should be thinned to stand three inches apart, and then the half grown roots should be harvested alternately.

For the Home Garden—any of the table turnips and rutabagas listed on this page will be found satisfactory.

YELLOW GLOBE GREEN TOP—A yellow-fleshed globe-shaped variety of medium to large size, smooth and of light yellow color with small green crown. Flesh is light yellow. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.**

PURPLE-TOP, STRAP-LEAVED—A very early strap-leaved variety having scant erect, entire, stiff leaves. Roots are regular in shape, flat and medium-sized, purple-red above ground, white below. Flesh is white, fine grained, and tender. Best when 2½ inches in diameter. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.**

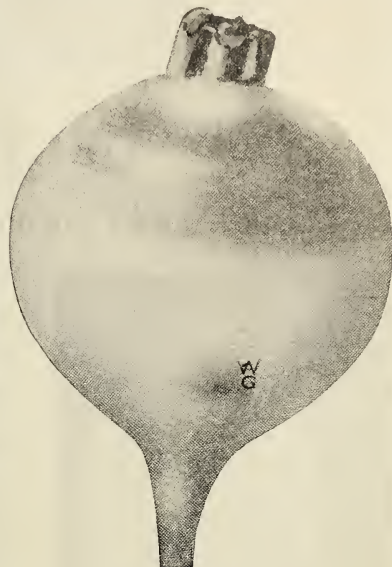
WHITE EGG—Popular early Turnip, adapted for either spring or fall sowing. The solid roots are egg-shaped, perfectly smooth and pure white. The sweet, firm flesh is always mild, rich and fine flavored. Attains good size, yields well and keeps a long time in best condition, is planted much for home use, market and for stock raising. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.**

PURPLE-TOP WHITE GLOBE—As indicated by its name, this variety is white under ground, purple above, flesh white, fine grained and tender; should be used when about three inches in diameter. Keeps well and good for market use. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.**

EARLY WHITE FLAT DUTCH—A most excellent early variety. Roots medium size, flat, color white; very early; sweet and tender. **Pkt., 10c; oz., 15c; ¼ lbs., 30c; lb., \$1.00.**

WHITE EGG—Is nearly oval or egg-shape, as its name would indicate; flesh very firm and fine-grained; thin and perfectly smooth skin, and both flesh and skin are snowy white. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.**

COW HORN OR LONG WHITE—This variety is a great field turnip and is carrot-like in form, growing nearly half out of the ground. Fine quality, good keeper. The flesh is fine grained and well flavored. Desirable for stock breeding. Cowhorn is planted extensively for feed and for green manuring. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.**



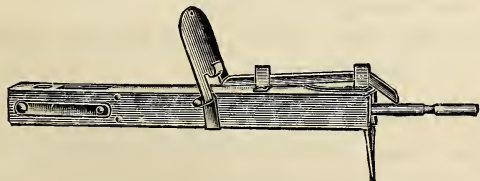
Purple Top White Globe

RUTABAGAS OR SWEDES

Requires a longer season than turnips. For table use they keep better, and better flavored than the turnip. For stock in fall and winter there is nothing superior to turnips and rutabagas, as they are liked by all kinds of stock and keep them in good condition.

IMPROVED AMERICAN PURPLE TOP—Our strain is remarkable for uniform shape and fine quality, and is splendid keeper. The roots grow to a large size, have small tops, short necks and smooth skin; flesh is of a beautiful yellow color, fine grained, very sweet, tender and of excellent flavor. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.**

THE NEVER-FAIL GOPHER GUN AND BURGLAR ALARM



Patented Oct. 17th, 1922

May be used as a gopher gun by placing in gopher hole. Gopher sets off the gun by touching trigger. If used as a burglar alarm, should be attached to thread so that anyone walking across floor will set off the gun. Uses .38 blank cartridges, which may be bought at any hardware or general store. Cartridges cannot be sent by mail. Directions for use accompany each gun. **Price \$1.75 each. By mail, \$1.85.**

NOTICE

We maintain a complete spray department and we are always at your service to help you solve your spraying troubles. Should insects appear in your garden or orchard and you do not know what to spray them with, write us, giving complete description, and we will endeavor to help you eradicate them. We have on hand quantities of spraying literature which we will be glad to mail you free of charge.

Purple-Top White Globe is the market gardener's favorite.

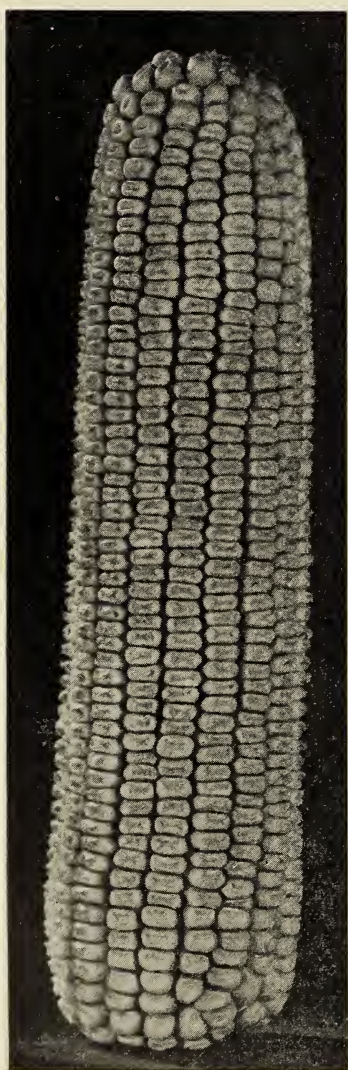
Knox's Selected Field Corn

EARLY MATURING—HEAVY YIELDING

Proper selection of Seed Corn is a matter of working year after year, planting good seed in the beginning, watching the particular stalks which grow best and which set enough ears the proper distances from the ground, and then cutting the tassels from all other stalks in the field. The seed ears must be selected on the stalk, and ripened and dried under correct conditions. The grains must be shelled and stored and graded so they will be even in size, and their vitality maintained unimpaired. Finally, the seed must be tested for germination. We have picked growers who give their Corn crops the attention necessary to produce first-class seed.

DELTA DENT (Yellow)

CALIFORNIA GROWN FOR CALIFORNIA CONDITIONS



California Delta Dent

KNOX'S DELTA CORN is an extra early yellow dent corn, maturing in 85 to 90 days from planting. It shows a thoroughbred type of ear, well formed and covered from tip to end with large, deep kernels of rich golden-yellow color. The ears are of medium size, with exceedingly small cob, yielding more pounds of shelled corn per bushel of ears than many of the larger and later varieties. It is a very heavy yielding corn, nearly all stalks producing two well developed ears, and no barren stalks. Ears average from 7 to 9 inches.

KNOX'S DELTA DENT is of strong growth, deep rooted and stocky, withstanding drought to a remarkable degree. The stalks grow 8 to 12 feet tall and are very leafy. Another valuable characteristic is its wonderful adaptability to different soils, producing heavy yields on light as well as heavy soils.

KNOX'S DELTA DENT is the earliest maturing, full yellow dent corn suitable to the soil and climate of California and has by far the widest range of usefulness.

Our seed of **DELTA DENT** has been grown in Central California for a number of years, and is therefore adapted to all the delta country of California. We cannot recommend this variety too strong.

Price, 1 lb., 10c; 5 lbs., 40c; 10 lbs., 75c; 50 lbs., \$3.50.

Not Prepaid

KING PHILIP, THE STANDBY FOR YEARS

Our remarkable strain of King Philip is gaining in popularity every year. Through careful selection and handling we have kept our strain far above anything else offered. When you buy Knox's King Phillip you are sure you are getting the best that can be obtained.

Price 1 lb., 10c; 5 lbs., 40c; 10 lbs., 75c; 50 lbs., \$3.50;

100 lbs., \$6.00; not prepaid

Field Corn--Continued

Write for quantity price

EARLY LEAMING

One of the best all around heavy yielding Dent Corns of today. Known everywhere as a heavy yielding yellow Corn. Produced 1,238 bushels on 10 acres. Ears about 10 inches long; 18 to 20 rows, well filled with wedge shaped, reddish-yellow kernels of medium size. We have increased the size of the ear, its earliness and also the percentage of grain by careful breeding. Ripens in about 95 to 100 days. Ear, selected hand picked. **Lb., 10c; 10 lbs., 85c; 100 lbs. ask for price.**

HICKORY KING

Has the largest grains, with smallest cob, of any white corn introduced. We have what is known as the Broad Grain Hickory King; a single grain nearly covering a cross-section of the entire cob. It is a strong grower; the stalks take a firm hold on the ground and stand upright, resisting heavy wind storms without blowing down. In fairly good soil each stalk bears 2 and sometimes 3 medium sized ears. It yields good crops on light soils and is one of the most productive and profitable white varieties for planting in the South. Ears fill out well and will make more shelled corn to bulk of ears than any other variety. It is good for roasting ears to follow Early White Dent; makes a splendid quality of corn meal, and is just the right sort for stock feeding, being almost all corn and very little cob. It matures fully in from 115 to 125 days. **Lb., 10c; 10 lbs., 85c; 100 lbs., ask for price.**

REID'S YELLOW DENT

We recommend it very highly for California but not for Oregon or Washington, except for fodder or silo. Very popular because of large ears, which are uniformly smooth and light yellow in color. An ideal show variety, and easy to sell because of its high breeding, uniformity and large percentage of grain to cob. Shells 88 per cent grain and often better. Ears run 8 to 11 inches long in different localities, and 7 to 8 inches in circumference. An immense yielder on good soil. Some Northern farmers grow Reid's for the silo because of its large growth. The small shank makes it very easy to gather and husk. Matures in 105 to 110 days. Our seed stock this year is Ohio grown, is extra early, and is adapted to California climate. **Lb., 10c; 10 lbs., 85c; 100 lbs., ask for price.**

EUREKA ENSILAGE

Eureka Ensilage corn is without a doubt the heaviest yielding ensilage corn adapted to California climatic conditions. It grows to an average height of 14 feet, has very leafy stocks bearing one to three ears to the stock, and has established a record of an average production of 30 to 35 tons per acre. This when cut and put in the silo furnishes a feed that is very succulent and of the highest feeding value and is relished by all kinds of stock.

Our seed stock of Eureka Ensilage Corn for this season is of exceptionally fine quality and selected for size uniformity for both ear and kernel.

Price per lb, 10c; 10 lbs., 85c. Write for quantity prices.

OTHER VARIETIES

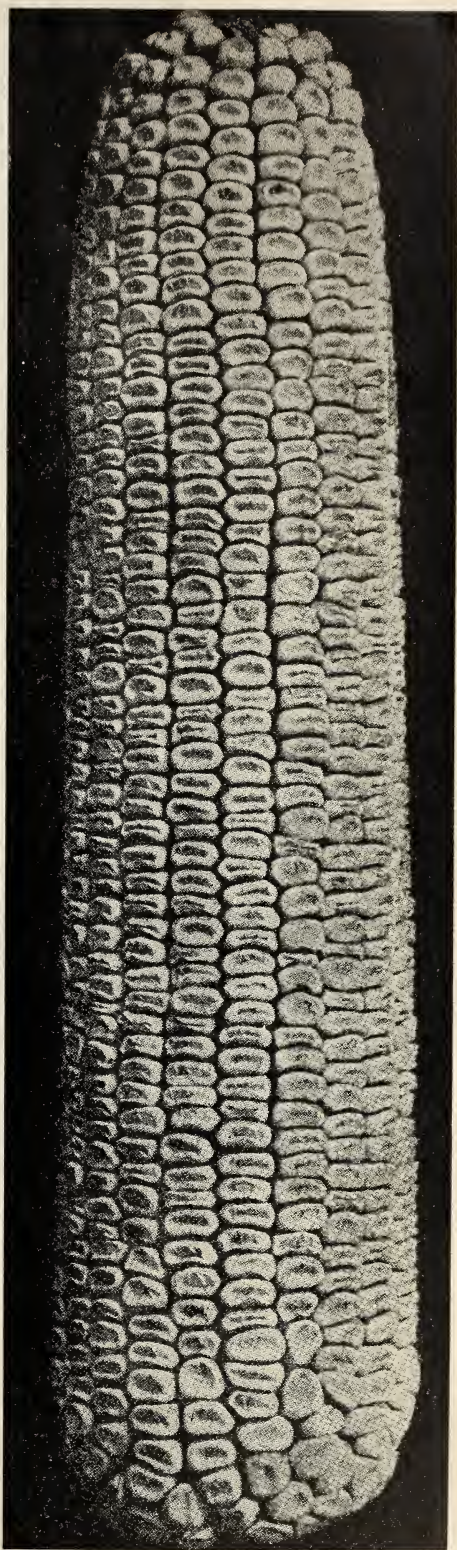
IOWA GOLDMINE--This corn ripened thoroughly inside of 100 days. It is one of the most generally planted varieties. The ears are about 10 inches long and very symmetrical. The grain is very deep and of beautiful golden yellow color, and the cob is very thin. Iowa Goldmine is a heavy cropper, and one of the most productive early varieties. Our stock is carefully grown ear selected, hand picked. **Lb., 10c; 10 lbs., 85c; 100 lbs., ask for price.**

IOWA SILVER MINE--Standard white dent varieties; superior for feeding purposes and also makes good roasting ears when young. **Lb., 10c; 10 lbs., 85c.**

AUSTRALIAN WHITE FLINT--A 90-day variety an ideal for our arid lands. Will endure more drought and cold than any other variety. Ears about 12 inches long. **Lb., 10c; 10 lbs., 85c.**

POP CORN

WHITE RICE--Handsome variety; kernels long, pointed and resembling rice; color white. Very prolific. **Lb., 15c.**



Reid's Yellow Dent

Reid's Yellow Dent is the most popular Dent Corn

KNOX'S FARM SEEDS

We claim that we sell the highest grades of Grass and Clover seeds that are offered in this country. We do not intend to compete with samples offered by commission merchants, many of whom have no knowledge of the seeds they sell, whether good, bad or indifferent. Should the seed prove poor or mixed, the loss to the planter is ten times more than the entire cost of the seed. The difference in the price between choice, clean seed and second or third quality is from 1 to 2 cents per pound. Every intelligent farmer knows that the best seed that can be obtained is the cheapest in the long run. Customers, of course, understand, that the prices of Grass and Clover seeds are subject to change. Be sure to obtain our samples and prices before you buy elsewhere. Special rates on large quantities.

AMERICAN or LIBERTY MILLETT—Will grow on any good land and yields heavily when artificially watered; yields from 40 to 50 bushels of seed to the acre, which is excellent food for stock or poultry. A good on large quantities. **Lb., 10c.**

ORCHARD GRASS—This grass is extremely quick to recover from close cropping and is highly valuable on account of its earliness and rapidity of growth. Succeeds on almost any soil, especially in moist, shady places. It exhausts the soil less than other grasses and withstands drought, keeping green when other grasses are burned up. It is inclined to grow in tufts and should therefore be sown very evenly. Sow 40 to 50 lbs. to the acre. **Lb., 35c.**

TIMOTHY—This perennial grass thrives best in moist, loamy soils, attaining a height of 4 feet, and is exceedingly nutritious, making fine hay. Sow 35 to 40 lbs. to the acre. **Lb., 25c.**

FETERITA—Resembles Kaffir Corn but is more productive. It stands drought well and is, therefore, valuable in arid tracts. Five pounds will sow an acre. **Lb., 15c.**

RAPE, DWARF ESSEX—A splendid pasture plant for all kinds of live stock and especially valuable for fattening sheep. It can be sown at any time during the spring or summer and will be ready for pasturing within six weeks from time of sowing. Sow broadcast, 8 lbs. to the acre. **Lb., 20c.**

SORGHUM or EARLY AMBER CANE—If not allowed to grow too high, can be cut several times through the season and makes good sweet hay. Sow broadcast, unless the soil is quite sandy, when it is best to sow in drill. **Lb., 15c.**

KAFFIR CORN—An excellent fodder plant, yielding two crops of fodder during a season. It grows from four to five feet high, making a straight upright growth. For the grain, sow in rows 3 feet apart, 6 to 10 lbs. of seed per acre. For fodder, sow 1 to 1½ bushels either broadcast or in drills. **Lb., 15c.**

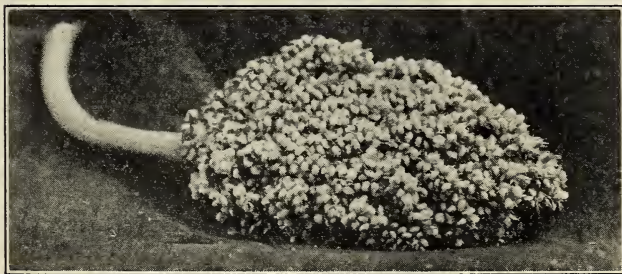
PEAS, CANADIAN FIELD—These are usually sown with oats and cut for a green cover crop. **Lb., 15c.**

COWPEAS, WHIPPOORWILL—Especially good in the North and West as it matures early. **Lb., 15c.**

SUNFLOWER, MAMMOTH RUSSIAN—An excellent and cheap poultry food. Three pounds of seed will plant an acre. **Lb., 15c.**

SOY BEAN—An excellent green fodder and silage plant, as well as a valuable forage crop for green manure. Sow after danger of frost is past, sow in drills 4 feet apart, using 4 pounds of seed to the acre. **Lb., 15c.**

COWPEAS, BLACK EYE—One of the best varieties that can be secured when the oats head, but before the grain is ripe. For best results sow 40 lbs. of oats and 100 lbs. of peas to the acre. **Lb., 15c.**



A Fine Head of Knox's Egyptian Corn

manufacture of brooms. Grows very productive. Six to 8 lbs. to the acre. **Lb., 15c.**

HEMP, KENTUCKY—A staple crop, sown broadcast using 25 lbs. of seed to the acre. For a seed crop, should be sown in hills 4 feet apart. Grows 12 to 14 feet high, with deep-cut, dark green, fragrant leaves. **Lb., 15c.**

COW KALE—This will yield a much heavier crop than Dwarf Essex Rape and is now considered superior to Rape in some sections. It grows to a height of 3 to 4 feet. Hogs and sheep eat it greedily. It grows well and produces heavily on most any land and the plant is quite hardy. The seed can be sown early in April or any time thereafter till midsummer. **Pkt., 10c; ¼ lb., 25c; lb., 75c.**

MILK MAIZE—Very similar in manner of growth to Kaffir Corn, but is preferred by many growers who claim that it produces more grain per acre and better quality of forage than any of the non-saccharine sorghums. It is grown and handled in same manner as Amber Cane or Kaffir for hay and fodder and will make splendid ensilage if cut up with corn. **Lb., 15c.**

EGYPTIAN CORN

—A good strain for dry sections and seasons. The grain is small and can be used as chicken feed. **Lb., 10c.**

BROOM CORN DWARF

—This is the best variety used for the



Sudan Grass

SUDAN GRASS—Sudan is a tall, annual grass, reaching a height of from seven to nine feet when planted in rows and allowed to mature for a seed crop; broadcast and cut "in the bloom" for hay, about four feet.

The hay is softer than Johnson Grass or Sorghum, the stems are smaller and more leafy.

It is easily cured and handled as a hay crop. Stock of all kinds eat it readily and will leave any other hay for it.

For seed crop plant 2 lbs. seed per acre in rows 36 inches apart. For hay crop broadcast or drill 12 to 20 lbs. to acre. Yields 500 to 1,000 lbs. seed or three tons cured hay per cutting per acre with three cuttings per season. **Lb., 15c.**

When quantity of any of the above is wanted always write for latest market price.



ALFALFA OR LUCERNE CLOVER

Alfalfa or Lucerne Clover is the most talked of and most widely planted of all the varieties of clover in the world. It is said that the feeding value of a ton of Alfalfa is equal to a ton of shelled corn. Alfalfa will produce 5 to 7 tons of hay to the acre each year and in true value is worth 45% more than other clovers. It will grow 4 to 5 crops a year and it does not exhaust the soil; it enriches the soil. Its long branching roots penetrate far down, 15 to 20 feet, and so loosen the subsoil that it is a gigantic subsoiler, resists drought, and gets plant food where other crops would be a failure. When the plants are destroyed in order to raise other crops on Alfalfa land, the large roots decay and produce a vast source of fertility to be used by following crops.

Although fall sowing is preferable, fine results can be obtained from early spring sowing. Give it care and attention, especially the first year, and your trial will show you that you cannot afford to be without it.

Do not buy cheap Alfalfa seed. If it's cheap, it is not pure Alfalfa but mixed with weed seeds. Weeds are very troublesome to Alfalfa, crowding it out and ruining the quality of your hay, so be sure to get the highest grade seed and no other kind. This is absolutely essential to success. Sow in thoroughly prepared soil, either broadcast or in drills, at the rate of 20 pounds per acre.

HAIRY PERUVIAN—We first offered this variety in 1918. It is hardier and it does produce more hay the first year than common alfalfa, but it does not endure as well. Many large growers now prefer the common alfalfa. With these comments we offer the Hairy Peruvian Alfalfa to those who may have had better results and yet prefer it. Write for quantity price. **Lb., 30c; 10 lbs., \$2.50.**

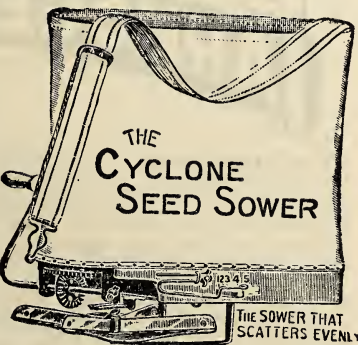
Larger quantities at market prices.

We carry a complete stock of certified Chilean, Modoc, Arizona, Byron and Common Alfalfa seed, and all of it is the strongest American grown seed on the market. When ready to buy, write for our best prices.

MEDIUM RED CLOVER—This is the most important of all clovers and the standard everywhere for hay and pasture. It is known as Common Red or June Clover in many sections. **Lb., 45c.** Larger lots at market prices.

MAMMOTH RED, or SAPLING CLOVER—Grows much larger and lasts longer than the common Red Clover; being a rank grower, it is largely used for selling. Fifteen pounds to the acre. **Lb., 45c; 10 lbs., \$3.50; not prepaid.** Large lots at market rates.

A machine which should be on every farm. It is light, strong and durable, and with ordinary care will last a lifetime. It will sow clover, corn, and grass seeds and fertilizers of all kinds perfectly even, and any desired quantity per acre by following the simple directions on every machine. Price, **\$2.50, not prepaid.** Weight 5 lbs.



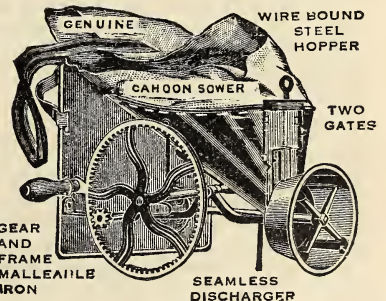
CHILEAN ALFALFA—Is the old stand by. Many preferring it to Hairy Peruvian and other varieties. While it does not grow as fast it produces a finer grade of hay. Cattle preferring it to the others. It is much longer lived than the Hairy Peruvian some fields being twenty years old and still producing paying crops. It will stand much colder weather than any other variety and is grown in every state in the Union. **Lb., 30c; 10 lbs., \$2.70; prepaid.**

Write for special prices in large quantities.

ALSIKE—Succeeds best in cold, stiff soils and in marshy lands where it is too wet for other species; is very hardy and withstands severe cold; is a good honey plant for bees. Fifteen pounds will sow an acre. **Lb., 45c.** Large lots at market prices.

SWEET CLOVER, BOKHARA or BEE CLOVER—will grow on any soil and is invaluable for bee food. It is greatly relished by the bees and makes superior honey. Of great value as a fertilizer. Sweet Clover will furnish the soil with bacteria for the successful growing of alfalfa. It will make sandy loams fertile. Sow 10 to 12 lbs. per acre. **Lb., 25c; 10 lbs., \$2.00, not prepaid.**

Will sow all kinds of grass and grain seeds from 4 to 8 acres per hour at a common walking gait. Heavy seeds, such as wheat it will throw 40 feet (20 ft. each side of the operator) lighter seeds, gear of course, will and not be thrown so far. Weight 8 lbs. Price, **\$5.50.**



We sell only the highest grade seeds, 99% pure or over.

Cover Crops

One of the best and most economical ways of restoring worn-out soil or building up poor soil is by the use of nitrogen-gathering green cover-crops. It is necessary for the orchardist to use some cover-crop to insure a profitable crop, and the following varieties are recommended for this purpose.

OREGON VETCH

(*Vicia sativa*)

Probably more Vetch is now planted for cover-crop than anything else. The common Vetch is the variety used almost entirely in California, and is usually planted in the fall and plowed under the following spring. It is a pea-like plant, growing about 4 feet high, and produces, perhaps, more green matter than any other legume that will withstand the winter. Where planted for soil improvement, about 40 lbs. of seed are sown to the acre broadcast.

Vetch also makes splendid hay, but if intended to be sown for this purpose, some sort of grain should be mixed with it. This for the reason that the Vetch grows so tall it will fall over, and it is necessary to give it support. It is recommended that oats or barley be used with the Vetch where planted for hay, using about 60 pounds of one of the former and 30 pounds of Vetch to the acre. **Lb., 15c.** Large lots at market.

PURPLE VETCH—Makes the quickest growth of any cover-crop and can be planted later. Makes the heaviest growth of any leguminous cover-crop known. The demand for this vetch is greater than the supply. **Lb., 20c.**

HARY VETCH—The true Winter Vetch. A forage plant which has proved of highest value. It succeeds and produces good crops on poor sandy soils, and grows to a height of 3 to 5 feet. It is exceedingly nutritious, is eaten with relish and may be fed with safety to all kinds of stock. Is the earliest crop for cutting, and a full crop may be taken off the land in time for the spring crops. It serves equally well as a cover crop, for pastures, hay, or as a soil renovator. In the far North sow in the early spring; in moderate climates sow from September to January, broadcast or in drills, at the rate of 1 bushel per acre, with $\frac{1}{2}$ to 1 bushel of rye, wheat, oats, or barley. Cut when the vetches are in full bloom. **Lb., 20c.**

BURR CLOVER

(*Medicago denticulata*)

This is our native Clover, and one of the best nitrogen-gathering crops that is known; it is by far the very best crop for poor or dry land, as it needs but little moisture. It is also very valuable for permanent pasturage and re-seeds itself very rapidly.

While some regard Bur Clover as a pest, it is, nevertheless, a most valuable soil-improving and winter grazing crop, growing luxuriantly all through the winter and until summer. This seed is sown at the rate of about 20 pounds to the acre. **Lb., 25c.** Large lots at market price.

SWEET CLOVER

(*Melilotus Alba*)

**The Greatest Soil Renovator Hay and Pasture Crop
Two Hay Crops in One Season May Be Had
from Sweet Clover**

Sweet Clover provides the quickest and cheapest way to make unfertile soils fertile. It will thrive well on extremely poor land and bring it up to grow more profitable crops. In feeding value, it is second only to Alfalfa.

ADVANTAGES OF SWEET CLOVER

Like Alfalfa, it is rich in protein.
Will not bloat cattle or sheep.
Equal to Alfalfa for pasture.
Is a great milk producer.
Furnishes early spring pasture.
Fits well in the crop rotation.
It is a great soil enriching crop.
Better than any of the common clovers as a green manure crop.
Is a valuable plant for honey bees.
Prepares the soil for Alfalfa.
Roots are soft and give no trouble in plowing.
Its roots decay rapidly, adding much nitrogen and humus to the soil.
Will produce a crop in all parts of the U. S.
Will grow under conditions where Clover and Alfalfa fail: (a) On low, wet, alkali and acid soils. (b) On hard, compact soils. (c) On poor soils, especially where there is lime.

USES OF THE CROP—One of the advantages of Sweet Clover lies in its ability to make a quick growth in the spring. In the North a crop may be taken off as early as the middle of June. Crops should be pastured as soon as plants reach a height of 5 to 6 inches. The second season in the North two hay crops or one hay and one seed crop may be obtained. In the South two hay crops and a seed crop. When a permanent pasture is wanted seedlings are usually made for two successive seasons.

STARTING THE CROP—Sweet Clover may be seeded in either spring or fall, but where winters are severe, we recommend spring seeding. This may be done either early or late and with or without a nurse crop. Start with a firm, fine seed bed. **Use 18 lbs. of seed per acre.**

SWEET CLOVER SEED—Sweet Clover seed is rather hard shelled. We therefore, run the seed through a scarifying process which greatly increases the germination and insures you of a good stand. Our stocks are Northern grown of the very purest quality.

The white Blossom variety is the one most generally used and is the type most valuable as a soil renovator and general purpose crop.

It is a very rank grower, which makes it especially valuable for plowing under as a green manure crop, and it is also a very heavy nitrogen builder.

When used as a pasture crop, the stock should be turned in on it while young and tender and at this stage is very palatable to all live stock and a longing taste is acquired for it.

No other crop will add as much fertility to the soil as a feed crop; ranks on a par with Alfalfa. As a hay crop it will yield more per acre than any other type and is conceded to be the most desirable under the average conditions. **Lb., 25c; 5 lbs., \$1.00, postpaid.** For quantity prices write.

YELLOW BLOSSOM CLOVER

(*Melilotus Indica*)

This variety of seed is now receiving special mention, particularly in southern California. It has wonderful nitrogen-gathering properties, and opens up the soil well for irrigation by reason of the big tap-root it sends into the ground. The seed is sown at the rate of about 20 pounds to the acre, and is more economical to plant than any other variety of seed used for soiling purposes. **Lb., 10c.** Large lots at market price.

PEAS, CANADIAN FIELD—These are usually sown with oats and cut when the oats head, but before the grain is ripe. For best results sow 40 lbs. of oats and 100 lbs. of peas to the acre. **Lb., 15c.**



Use **FARMOGERM**, the original seed inoculant. Inoculated legumes are Nature's fertilizer, the cheapest in the world. Leguminous crops, with their nitrogen-fixing bacteria, give a fertility to the soil that no other crop does.

Special bacteria for every crop. In ordering, be sure to state what crop you want inoculation for.

Good for Alfalfa, Alsike, Clover Burr Clover, Red Clover, Sweet Clover, Melilotus Ind., White Clover, Garden Peas, Canada Peas, Cow Peas, Soy Beans, Garden Beans, Vetch, Peanuts, Sweet Peas. **Prices $\frac{1}{4}$ bu. size, 35c; 1 bu. size, \$1.00; 2½ bu. size, \$2.25.**

For bigger crops inoculate your seed with Farmogerm.



Flower Seeds

In listing our flower seeds for the new year we have endeavored to limit our list to those only of proven varieties, leaving out novelties that have not been proven. Our flower seeds are grown by one of the largest and best growers in the country and are shipped to us in bulk. We carry a complete stock of flower seeds at all times, putting up our packages from fresh seed as they are needed. Should you desire a flower that is not listed in this catalog, write us, and if we haven't it in stock we will endeavor to obtain it for you from a reliable source.

Tender or Greenhouse means the plant will not stand the least frost. All such must be planted late in spring (May) or in a greenhouse.

Half Hardy means the plant will stand any light frost, but needs protection against very cold weather. These should be planted in the spring (March and April), not in the fall.

Hardy means the plant will stand considerable frost, or practically all we have on the Pacific Coast. These may be planted in the fall or in the spring (October to May). If sown in the fall they will come into bloom earlier than if sown in spring, even if the plants do not make much progress during the cold weather.

Annuals are plants that bloom in the first year from seed, and the plant dies after one season.

Tender annuals must be sown in spring (April to June) and hardy annuals may be sown in either spring or fall (October to May).

Biennials are plants that bloom the second year from seed, and the plant dies after blooming. In California, many of these will bloom the first year if sown early. Sow under same conditions as perennials.

Perennials are plants that bloom the second year from seed, and the plant lives and blooms during successive years. If sown in early spring (February to April 15) many perennials will bloom the first year from seed. Tender and half-hardy perennials are best sown in spring after frost is over (April 15 to June). Hardy perennials are best sown in late summer and early fall (July to October) for next year's flowers.

ASTERS

The Asters, in the beautiful double varieties, are unsurpassed for bedding and cut flowers. They are very profitable for the florist and also one of the most satisfactory for the home garden. The many delicate shades and beautiful colors, the size, form and long blooming season, all make for the great popularity of these charming flowers. Asters are very hardy and may be planted outdoors as soon as the soil is warm and dry. You can start them indoors or in a cold-frame in January or February and transplant outdoors after killing frost danger is past. Plant in well prepared good garden soil in rows 18 or 24 inches apart; cover seed with $\frac{1}{4}$ inch fine soil firmly pressed down and when plants are 2 inches high, thin to 15 inches apart in row. Seeds may be planted in beds outdoors and transplanted when 2 or 3 inches high. Keep plants well watered in warm and dry weather, watering in morning and evening 2 or 3 times a week. For late flowering, seed may be sown in May or June. By disbudding, letting only a few flowers come on each plant, much larger flowers will form, as large as and more beautiful than ordinary chrysanthemums.

BRANCHING COMET ASTERS

Our new Giant Comet type of full double-branching Asters is marvelous for size, beauty and full petals, making the most perfect and fullest flowers of the Comet type. Plants sturdy and vigorous, branching freely and showing scores of finest flowers. These are of extraordinary size, full double and of wonderful clear tones of color. **Branching Comet, mixed, pkt., 10c.**

White, rose pink, crimson, purple. Pkt., 10c.

IMPROVED CREGO

Plants robust, about two feet high. Flowers large, double and well formed, of the Comet type, making a fine variety for all purposes.

White, crimson, lavender, purple, azure blue, shell pink. Pkt., 10c.

EARLY WONDER

The best extra early variety. The flowers are of good size, quite double, and borne on good stiff stems. **Pkt., 10c.**

THE CHINESE

Petals are narrow, very long and gracefully reflexed. The outer petals show to their full extent, while gradually toward the center they bend and curl on each other in such magnificent disorder as to make the fluffiest aster we have ever seen. **Pkt., 10c.**



Branching Comet



Giant Crego

AMERICAN BRANCHING ASTERS

A type of very strong growing Asters, blooming in late July and August in this latitude. Full petalled extra large flowers of fine form are produced on long stems. These petals are long, rather broad, of good substance and the flowers last a long time after being cut; shipping well. The plants grow 24 to 30 inches high and are branching in habit. These are the latest varieties to come in bloom and they produce very large flowers of the deepest and finest colors and are very prolific. **American Branching, mixed, Pkt., 10c.**

GIANT COMET ASTERS

Also known as Ostrich Plume because of their attractive, light, feathery appearance. There are no finer Asters than these. They bloom in mid-season with flowers of the largest size, fully double, and their graceful forms on long, strong stems are made even more beautiful by having very long petals that are decidedly curled and twisted. The plants are branching and very vigorous growers. **Giant Comet Asters, mixed, pkt., 10c.**

HEART OF FRANCE

HEART OF FRANCE—A rich dark red. The richest, most striking color and not to be found in any other aster. The plants grow about 2 feet high and are of a branching habit. **Pkt., 10c.**

THE KING

In form the flower is entirely distinct from any other variety; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being curled and incurved, completely covering the crown. In shape and size the bloom is round, full and very large.

ACHILLEA

Parmica, -"The Pearl," a fine hardy perennial growing about 2 feet high, covered heads of double white flowers throughout the entire season. Fine for cutting; will flower the first year if sown early. Sow in boxes to transplant. **Pkt., 15c.**

ACROCLINIUM

(Everlasting)

A very pretty, half hardy double daisy-like flower, about one and one-half inches in diameter. Each flower-head is borne singly on a very long stem; leaves, narrow, alternate. **Mixed, pkt., 10c.**

Asters while common are one of the garden's most beautiful flowers.

AMARANTHUS

These plants afford brilliant contrasts of color, being useful for tall borders, groups and foliage effects. The leaves and stems are of different shades of red, blended usually with green; two to three feet high. Seed may be sown in open ground early in spring, covering one-fourth inch deep; thin two to three feet apart.

TRICOLOR—Leaves yellow, red and green; well known as "Joseph's Coat." Hardy annual; 2 feet high. **Pkt., 10c.**

CAUDATUS (Love Lies Bleeding)—Produces long, drooping chains of brilliant colored flowers. **Pkt., 10c.**

ARMERIA

(Sea Pink)

Height 18 inches. Very useful in the hardy border and excellent for cutting, as the long-stemmed rose-colored flowers retain their brilliant appearance for a long while after being cut. Blooms early; valuable for spring gardening or rockeries. **Pkt., 10c.**

ANEMONE

Also known as Wind Flower. They are hardy perennials and are the first flowers to bloom each year. Are valuable for edging or massing and are profuse bloomers of beautiful colors. Grow 2 to 3 feet high, the cut flowers making beautiful bouquets. St. Brigid, mixed, **Pkt., 10c**; Caen Hybrids, mixed, **Pkt., 10c.**

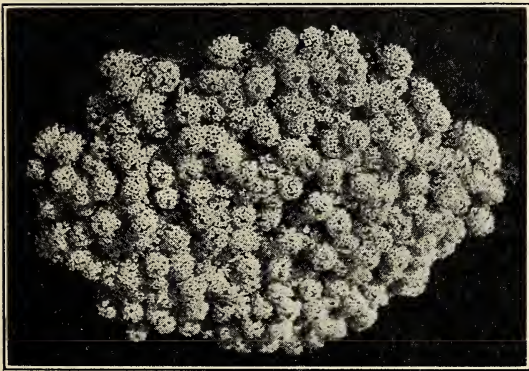
ARCTOTIS GRANDIS

(African Lilac Daisy)

Large pearly white Marguerite-like flower, with delicate mauve center surrounded by a narrow golden band. The whole plant is covered with white down. Half hardy annual. Height 2 feet. **Pkt., 10c.**

AGERATUM (Floss Flower)

A beautiful, hardy annual of neat bushy habit. The attractive feathery flowers borne in dense clusters are very useful for bouquets. Very desirable for outdoor bedding and borders, being covered with bloom nearly all summer. **Mixed, Pkt., 10c.**

**ALYSSUM**

The annual varieties can be grown very readily either outdoors or in the house and by cutting back the plants properly an almost constant succession of bloom may be had. Seed can be sown in open ground very early in spring, or may also be sown outdoors in fall.

SWEET (Maritimum)—This very hardy annual for borders, edging or massing in small beds comes into bloom early in the spring, covering itself with clusters of trusses of small, pure white cruciform flowers. **Pkt., 10c.**

SAXATILE COMPACTUM (Basket of Gold)—One foot. May-June. Producing masses of golden flowers very early. May be planted effectively with Arabis. **Pkt., 10c.**

COMPACTUM LILACINUM (Lilac Carpet Plant)—Distinct variety with delicate lavender flowers. Very dwarf. **Pkt., 10c.**

CARPET OF SNOW (Little Gem)—Pure white, very dwarf and sweet-scented. The best white-flowering border plant. Height 4 inches. **Pkt., 10c.**



Columbine

AQUILEGIA OR COLUMBINE

AMERICAN HYBRID COLUMBINE—The highest perfection attained in the development of this favorite flower. The plants are extremely robust with large handsome foliage; the flower stems often 40 inches in height, carrying magnificent clusters of immense long spurred single flowers which last a long time in bloom. The large unique, long-spurred flowers, gracefully hung on long stems, are not only brilliantly effective on the plant, but equally as desirable when cut for vase and house decoration. **Pkt., 10c. Double Mixed, Pkt., 10c.**

ALSTROEMERIA (Aurantiaca)

Belongs to the Amaryllis family, quite hardy, flowers orange color streaked with red. A well established plant will produce five to six flower stalks carrying ten to fifteen blossoms. **Pkt. 15c.**

ANTIRRHINUM OR SNAP-DRAGON

This flower is next to the sweet peas in popularity. Flowers of the most brilliant colors, which remain in bloom from early in July until Frost. Seeds may be sown in a sunny situation the first part of May. If real early blossoms are desired they may be started in a box or hot bed and set out when danger of frost is past.

Delicate, rose pink; Scarlet, Golden King, White, Finest Mixed, Pastel colors mixed. **Pkt., each 10.**

TOM THUMB—An excellent mixture containing all shades of these showy flowers. Splendid for edging and showy display. Height 10 inches. **Mixed, Pkt., 10c.**

ARGEMONE GRANDIFLORA

(The Prickly Poppy)

2 feet. Lovely plants with an ornamental foliage and large, handsome poppy-like flowers, snowy white, filled in the center with golden stamens, very beautiful. **Pkt. 10c.**

ADELUMIA (Alleghany Vine)

CIRRHOSEA—16 feet. The feathery foliage is like the Maidenhair Fern. Delicate rose pink and white flowers cover the plant. **Seeds, 15c per pkt.**

AUSTRALIAN PEA VINE

(*Dolichos lignosus*)—A very rapid growing vine, with pretty foliage and rose and purple pea-shaped flowers. Valuable for covering up fences quickly; stands the heat well. The seed should be soaked in hot water about 12 hours before sowing. **Pkt., 10c.**

ABRONIA

UMBELLATA (Sand Verbena)—Pretty little plants resembling the Verbena in their style of growth. The flowers are very fragrant, and especially so in the evening. Rosy lilac, 6 inches. **Pkt., 10c.**

AGROSTEMMA (Rose of Heaven)

Exceedingly pretty and graceful flowers. Red, white, and red and white flowers. **Pkt., 10c.**

ANTHEMIS (Marguerite)

These hardy Marguerites are most satisfactory perennials, succeeding in the poorest soil but needing full sun. The flowers are yellow.

KELWAYI (Hardy Marguerite). 2 feet. Daisy-like yellow blossoms, produced all Summer. Excellent for cutting. **Pkt., 10c.**

ADONIS AESTIVALIS

(Flos Adonis; Pheasant's Eye)

Flowers crimson and small. Seed should be sown in the Autumn. Height, 1 foot. **Pkt 10c.**

ARABIS (Rock Cress)

Charming dwarf Spring-flowering plants of easy cultivation; valuable for beds, edgings. They are well in any soil, but need plenty of sun. **Pkt. 10c.**

ALONSOA (Mask Flower)

Warscewiczii—A free flowering annual plant with bright vermilion scarlet flowers with golden stamens; is a half hardy annual, grows 2 feet tall and thrives best in a sunny situation. Sow the seed in boxes in early Spring and transplant when danger from frost is over. **Pkt. 10c.**

ABUTILON (Folwering Maple)

Beautiful shrubs with maple-like leaves and large bell-shaped flowers in white, rose, yellow and red colors. Half hardy perennial. Sow the seed in boxes and transplant when well started. **Etra fine mixed, pkt., 15c.**

ABRUS

Precatorius (Crab's Eye Vine or Weather Plant)

12 feet. This beautiful plant has created a great sensation. Some believe the position of the leaves foretell weather changes. Bears clusters of bright yellow flowers, followed by pods with brilliant red seeds used for making chains, etc. Seeds should be soaked in lukewarm water before planting. **Pkt. 10c.**

ARISTOLOCHIA SIPHO

(Dutchman's Pipe)

Strong growing, hardy climber, with large, thick, shining foliage and yellowish brown, pipe-shaped flowers. Seed takes two to three months to germinate. **Pkt. 10c.**

BALSAM (Camellia)

The Old Fashioned Flower Touch-Me-Not or Lady Slipper

The old and familiar Touch-Me-Not or Lady Slipper improved until those familiar with the old forms would hardly recognize the large waxy flowers with their elegant shades of color and variegations as belonging to the same class. They grow luxuriantly all through the West with little attention in any good garden soil, and well repay one for the little trouble. Sow in open ground after danger of frost is past, or earlier in protected boxes. For the best growth and effect plants should be set about 18 inches apart.

CAMELLIA—Light Pink—Pkt., 10c.

CAMELLIA—Scarlet—Pkt., 10c.

ROSE FLOWERS—Mixed Colors—Pkt., 10c.

TALL DOUBLE MIXED—Pkt., 10c.

BALSAM APPLE

Quick growing climber, ornamental foliage, interesting and valuable fruits which are esteemed for medicinal purposes. The fruits burst and throw the seeds a considerable distance, a source of amusement for the children. It is often used with other climbing plants for shading porches, balconies and outdoor seats. **Pkt., 10c.**

BALLOON VINE (Love in a Pot)

Interesting climber from the East Indies. A general favorite. Rapid growing annual climber delighting in warm weather. Small white flowers, followed by inflated seed vessels like miniature balloons. This most interesting climbing plant is fine for shading porches or outdoor seats and the novelty of its little balloon-like fruits never wears off. Try a packet of it this year. **Pkt., 10c.**

BRACHYCOME

(Swan River Daisy)

A free flowering annual, covered during the greater part of the summer with a profusion of pretty blue or white flowers, suitable for edging small beds or pot culture. **Pkt., 10c.**

BEAN-SCARLET RUNNER

The well-known rapid-growing annual climber, producing bright red flowers, from July to September. The foliage being dense, makes it splendid for porches or any location where shade is desired. **Pkt., 10c; ¼ lb., 25c.**

BROWALLIA

GRANDIFLORA—Most beautiful of all Browallias. Grow only about 1 foot high; form dense little bushes covered with abundance of delightful extra large sky-blue flowers. **Pkt., 10c.**

BLEEDING HEART

The beautiful lyre flower—one of the most ornamental of spring flowering plants, with elegant green foliage and long drooping racemes of heart-shaped flowers. Perfectly hardy. Plant from November to April. **Pkt., 15c.**

BARTONIA AUREA (Blazing Star)

Handsome, with downy foliage; fragrant, large, golden yellow flowers, which open in the evening. Thrive in any soil; height about 3 feet. **Pkt., 10c.**

BEGONIA

The tuberous rooted Begonia is one of the finest greenhouse plants. Sow in early spring, in fine sterilized soil, leaf-mold and sand. Cover the seeds very slightly and place a sheet of glass over each pan or flat until the young plants are up. Prick off singly as soon as large enough to handle and place in small pots when ready, potting into the larger sizes as they fill the smaller with roots. **Pkt., 15c.**

BOCCONIA

Cordata (Plume Poppy)

5 feet. A handsome border plant, having large lobed heart-shaped leaves with silvery under surface and flower plumes of a pretty cream color. **Pkt., 10c.**

BUDDLEIA

(Butterfly Bush or Summer Lilac)

A small shrub bearing exquisite tapering spikes of lilac mauve flowers; require same protection as roses during Winter. Plant in Spring.

VARIABILIS VEITCHIANA—¾-feet. July- September. Mauve. **Pkt., 10c.**

BRYONOPSIS

LACINIOSA—10 feet. An ornamental climber of the gourd family, bearing green fruit which changes in color to bright scarlet striped white. **Pkt., 10c.**



Cosmos

COSMOS

A hardy and rapid growing annual, forming brush-like plants with feathery green foliage, four to six feet high, covered with large flowers.

Sow outdoors early in spring in rather light soil, not too rich, and preferably in a sunny situation. Cover the seed with one-fourth to one-half inch of fine soil firmly pressed down. If planted in rows, make the rows about two feet apart and when the young plants are well up, thin from four to six inches apart in the row.

EARLY FLOWERING COSMOS—These early flowering strains are about four feet high and bloom profusely four to six weeks earlier than the giant sorts. **Mixed colors, Pkt., 10c.**

LATE GIANT COSMOS—This variety should be planted in late spring and summer for fall blooming. The plants often reach a height of six feet and make a splendid background.

Late Mammoth White, Pink, Crimson, Mixed; Pkt., 10c. Klondyke, Orange, Pkt., 10c.

DOUBLE CRESTED COSMOS

This new type of Cosmos is unique and exceedingly pretty. The flowers are of good size, with fully double centers and an outer row of broad ray petals. The plants are vigorous, attaining a height of 4 feet, and are covered with blooms. This is the best of all Cosmos for cut flowers, lasting well in water, and the dainty colors are most attractive for either garden or table decoration. Give Cosmos the full sunshine for successful growth. **Pink, Crimson and Mixed, Pkt. 15c.**

CACTUS

CACTUS—Saved from the best and most distinct species. Finest mixed. Height $\frac{1}{2}$ to 4 ft. **Pkt., 15c.**

CALCEOLARIA

Especially fine annual for greenhouse and window decoration. The immense pocket-shaped flowers are uniquely spotted and blotched, and borne in the greatest profusion through Spring and Summer. Plant from February to May—or from August to October. **Mixed—Choicest colors—Large Pkt 50c.**

CARNATIONS

The Carnation has long been prized as a hardy border flower. Being hardy, free-flowering, and easily grown either in flower-beds, borders, or pots, it is one of the most valuable and beautiful of our summer flowers and a favorite with everyone. Plants raised from seed bloom more profusely than propagated plants, and are therefore to be preferred.

CHABAUD'S MIXED—A remarkable strain raised by a Carnation specialist in southern France. Blooms in five months after being sown, and continues to flower indefinitely in the greatest profusion. **Yellow, Red, Pink, White, Mixed, Pkt., 10c.**

CANDYTUFT—(Iberis Umbellata)

Candyfruit is one of the most prized garden annuals. Easily grown from seed and does not need transplanting. Fine for cut flowers.

White, Crimson, Mixed, Pkt., 10c.

CELOSIA OR COCKSCOMB

Free flowering, highly ornamental plants of easiest culture, growing best in rather light soil. Blooming season June to November. They make grand border plants and the dwarf sorts are attractive for pot culture.

PLUMOSA (Feathered Cockscob)—Plants grow 2 to 3 feet high and produce feathery plumes of vivid colors. **Pkt., 10c.**

CRISTATA (Mammoth)—Comb-like flowers of large size and rich color. Plants tall and strong. **Pkt., 10c.**

CELOSIA CHILDSII (The Chinese Woolflower)—Plants grow two to three feet high, the blooms starting early with a central globular head which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of wool. Scarlet, pink and yellow. **Pkt., 10c.**

COLEUS

(Perennial)—These beautiful and ornamental foliage plants, producing the most attractive colors, are a most interesting subject to grow from seed. To watch the foliage change into a variety of colors as it grows day by day is wonderful. **Choice mixed, Pkt., 15c.**

CAMPANULA or CANTERBURY BELLS

(Perennial)

Large, bell-shaped flowers of exquisite colors—blue, pink and white. They are very ornamental plants with perfect masses of bloom, often bearing 100 to 200 blossoms on one spike. Sow seed in the open ground, cover lightly and thin plants to stand 12 inches apart.

Cup and Saucer, mixed.....**Pkt. 10c**
Single Mixed.....**Pkt. 10c**
Single Rose.....**Pkt. 10c**
Double Mixed.....**Pkt. 10c**

CANARY BIRD VINE

A rapid growing climber of the Nasturtium family, with handsome, finely cut foliage, producing an abundance of bright, canary-yellow, bird-like blossoms from July until frost. An excellent winter window vine. Height, fifteen feet. **Pkt., 10c.**

CANNAS

On of the most effective of showy foliage plants. The seed should be cut off or filed at one end. Plant indoors one-half inch deep in rich soil and keep moist until sprouted.

FINEST MIXTURE—Contains many large, flowering varieties. **Pkt., 10c.**

CLARKIA

Beautiful hardy annuals with rose colored, white and purple flowers, in delicate but very brilliant shades. The plants are about one and one-half to two feet high and are profuse bloomers.

Sow in light, warm soil, as early in the spring as the ground can be worked, or if planted in August they will bloom the following summer. Double mixed.

Apple Blossom, Salmon Queen, Purple Prince, Choice Mixed, Pkt., 10c.

CINERARIA

Cinerarias are easily grown from seed in the greenhouse. The large heads of brilliant daisy-like flowers of many colors, usually sharply margined and with dark eye, are very desirable in pots. The plants are often as broad as high and the velvety leaves are shaded on the under side.

HYBRIDA, CHOICEST MIXED—Large flowering. Pkt., 25c.

COREOPSIS

LANCEOLATA, GRANDIFLORA—A most showy flower with its cloud of bright yellow blossoms from June till fall. The plant grows 3 to 4 feet tall with very long stemmed blossoms that have few equals for cutting. Pkt., 10c.

COBAEA

A rapid-growing climber with beautiful dark green foliage, bearing on graceful stems large bell-shaped flowers, green at first but rapidly changing to a beautiful deep violet blue.

SCANDENS—Large, bell-shaped. Pkt., 10c.

COIX LACHRYMAE

(Job's Tears)

Curious ornamental grass with broad corn-like leaves and seeds of a light slate color. Valuable for winter bouquets with everlasting flowers. Strings of handsome beads are made from the seeds. Hardy annual; three feet high. Pkt., 10c.

CASTOR BEAN

(Ricinus)

Tall majestic plants for lawns and driveways; with broad, beautifully lobed, palm-like leaves of glossy green, brown or bronzed metallic hue and long spikes of scarlet, or of green, prickly seed pods. Makes a rapid growth in rich soil. Sow seed outdoors after danger from frost is over, preferably in light rich soil, or for earlier blooms start indoors and transplant. For best development each plant should have at least four feet each way. Tender annual, six to fifteen feet high. Pkt., 10c.

CYPRESS VINE

A popular climber noted for dainty fern-like foliage and star-shaped flowers. Finest mixed. Pkt., 10c.

CYCLAMEN

Popular free flowering, bulbous plants for house culture, producing graceful orchid-like flowers during the fall, winter and spring. Colors range from white to darkest crimson, with all intermediate shades. Show Mixture, Pkt., 25c.

CENTAUREA

Centaureas embrace a number of species, some being grown only for their foliage. Sow the seed early in boxes and transplant in March or in the open in April. All make excellent cut-flowers, except the white-leaved sorts. Height 1½ to 2 feet.

CYANUS (Bachelor's Button; Bluebottle; Cornflower)—Of easy culture. Sow the seed where it is to remain and thin plants to 3 to 4 inches apart. Mixed. Pkt., 10c.

IMPERIALS (Royal Sweet Sultan)—The plants are very strong and bear giant flowers on stiff, long stems; excellent for cutting, lasting a week when cut. Three feet tall.

Mixed, Purple Shades, White, Pink, Lavender, Pkt., 10c.

CANDIDISSIMA, White Leaved, or Dusty Miller—Grown for its silvery white foliage; used for borders, carpet bedding; 1 foot; perennial. Pkt., 10c.

CHRYSANTHEMUMS

Showy and very effective garden annuals of easy culture, doing especially well in our state. The plants grow from 12 to 14 inches high, have fine delicate foliage, and produce flowers in great abundance. Splendid for cutting.

SINGLE MIXED—Lovely daisy like flowers. Pkt., 10c.

DOUBLE MIXED—Showy double flowers. Pkt., 10c.

DOUBLE WHITE—Pkt., 10c.

DOUBLE YELLOW—Pkt., 10c.

JAPANESE, MIXED—Pkt., 10c.



Calliopsis

CALLIOPSIS

Many most showy flowers are common and grow anywhere without trouble or care. Of these is the Calliopsis.

SINGLE MIXED—Mixture of annual varieties. Many shades of yellow, red and brown. Pkt., 10c.

NEW DOUBLE—A beautiful and charming new type of the annual Calliopsis. Pkt., 10c.

CLEMATIS

A very fine hardy climber; leaves bright and glossy green; flowers small and hawthorne scented, and just covering the plant when in bloom. Excellent for covering trellises or fences.

PANICULATA—White, Pkt., 10c.

CLIANTHUS

Dampieri (Glory Pea of Australia)

2 feet. Clusters of bright red flowers with black spot. Pkt., 15c.

CUPHEA (Mineata Hybrids Mixed)

A half hardy perennial which is useful for making permanent borders. The small tubular flowers are crimson scarlet and orange. Height, 1 foot. Pkt., 10c.

CONVOLVULUS

Minor—Dwarf or Bush varieties. 1 ft.—Are very showy and beautiful annual for flower beds and borders, also rockwork; they bloom for a long period and delight in sun. Mixed, all colors, Pkt., 10c.

CARDINAL CLIMBER

A strong, rapid grower, attaining a height of thirty feet or more, with beautiful fern-like lacinated foliage, covered with fiery cardinal-red flowers from midsummer till frost. The flowers are about 1½ inches in diameter, and are borne in clusters of five to seven blossoms each. It delights in a warm, sunny situation and good soil. Pkt., 10c.

CACALIA

COCCINEA—A handsome, free-flowering little plant; owing to peculiar form of the flower is sometimes called Tassel Flower or Flora's Paint Brush. Scarlet bloom. Pkt., 10c.

CALANDRINA

UMBELLATA—Hardy perennial of trailing habit, producing brilliant crimson flowers. Excellent for rockwork and sunny situations. Blooms the first season. Pkt., 10c.

What is beautiful about a home if the garden is neglected?

DIMORPHOTHECA—(African Daisy)

AURANTIACA—A rare, extremely showy and greatly improved annual which has become a general favorite. The bushy plants grow about fifteen inches high. The flowers are often three inches across, of unique, rich, glossy orange gold color. Blooms until late fall. **Pkt., 10c.**

DOLICHOS—(Hyacinth Bean)

A tender climbing annual; flowers profusely and in clusters of white, purple and lilac shades. The flower spikes are followed profusely by ornamental seed-pods. Height 10 to 20 feet. Mixed colors. **Pkt., 10c.**

DALHIA

It is not generally realized that most beautiful Dahlias may be grown and flowered in late summer and autumn from spring-sown seed. Many of them, differing from any of the named varieties on the market, and some from seed are equally beautiful, the production of novel forms and combinations of colorings being most interesting.

SINGLE GIANT PERFECTION—This variety produces flowers of immense size of the most bewildering variety of color. **Pkt., 10c.**

DOUBLE LARGE FLOWERING—Double show and fancy sorts. **Pkt., 10c.**

DATURA—(Angels Trumpet)

A vigorous-growing plant producing immense flowers ranging in color from white to pure yellow. They are well suited for borders or for specimen plants on the lawn, or for the center of ornamental beds. **Pkt., 10c.**

DIANTHUS, OR PINKS

Few flowers can equal these in beauty and profusion of bloom. They comprise many beautiful markings, rich and varied in colors. The plants bloom until frost.

DOUBLE MIXED—All the most beautiful and showy double varieties. **Pkt., 10c.**

SINGLE MIXED—Fringed flowers of various colors. **Pkt., 10c.**

GRASS PINK, Scotch or Pheasant's Eye Pink—A beautiful single hardy Pink, with fringed-edged white flowers with a crimson center. **Pkt., 10c.**

DOUBLE CLOVE PINKS—Double and semi-double varieties in beautiful colors. Mixed, **Pkt., 10c.**



Blue Lace Flower

DIDISCUS COERULEA

BLUE LACE FLOWERS—A delightful annual which produces flowers of a sky-blue color. The flower itself ranges from 1½ to 2 inches in diameter, and in formation is similar to the Scabiosa. Should be started under glass or in a seed bed, and then transplanted to its permanent position. It is especially fine for forcing under glass. Half shady position is best. **Pkt., 10c.**

ESCHSCHOLTZIA—(California Poppy)

A hardy annual, with fine-cut, feathery foliage and beautiful, velvety, cup-shaped flowers. Seeds may be sown in fall and any time thereafter until the following April, where plants are to remain, as they do not transplant easily. Height, 2 feet.

CALIFORNIA—Large, pale yellow. **Pkt., 10c.** Mixed colors, **Pkt., 10c.**

**DAISY, SHASTA**

Our choice Alaska variety with flowers of purest glistening white with broad overlapping petals, one of the finest and most attractive flowers grown. These flowers are much larger than common daisies, often 5 inches across, and make fine cut flowers with long stems, lasting a week or two after being cut. Grows 2 to 2½ feet high and excellent for beds, borders, clumps and cut flowers. It lasts for years and makes fine borders and clumps. **Pkt., 10c.**

DAISY, DOUBLE ENGLISH

(*Bellis Perennis*)

The true English Daisy, perfectly hardy and suited to cool, rather moist locations. Blooms in earliest spring and late fall. Sow seed early in boxes or shallow drills; then transplant to permanent location. Treat same as violets. Can be flowered through the winter if placed in boxes in pits or planted out in cold frames. Flowers very double. Plants spread rapidly in rich soil and last for years. Grow 6 to 10 inches high.

Mammoth Double White, Mammoth Double Pink, Mammoth Double Mixed, **Pkt., 10c.**

EVERLASTING FLOWERS

See *Acroclinium*, *Gomphrena*, *Helichrysum*.

DELPHINIUM—Perennial Larkspur

These handsome, stately border plants produce long bold flower spikes ranging in color from the palest sky-blue to the darkest shades of indigo and violet, and are unrivaled for producing blue effects in the summer border.

Belladonna, light blue, **Pkt. 25c**; Bellamosum dark blue, **Pkt., 10c**; Cardinal, red, **Pkt., 10c**; Mixed colors **10c.**

ERIGERON (Flea Bane)

Valuable Summer flowering plants with elegant single aster-like flowers, much prized for cutting.

AMOS PERRY—June-October. Lavender blue. 1 foot. **Pkt. 10c**

EUPHORBIA

Half hardy annuals suitable for beds of tall growing plants or mixed borders; the flowers are inconspicuous but the foliage is very ornamental. Sow February to May.

HETEROPHYLLA (Annual Poinsettia, Mexican Fire Plant)—The plants grow 2 to 3 feet high, of branching habit, with smooth, glossy, green leaves which become a bright scarlet in Summer. **Pkt. 10c.**

VARIEGATA (Snow on the Mountain)—Attractive foliage veined and margined with white. **Pkt. 10c.**

FORGET-ME-NOT—(Myosotis)

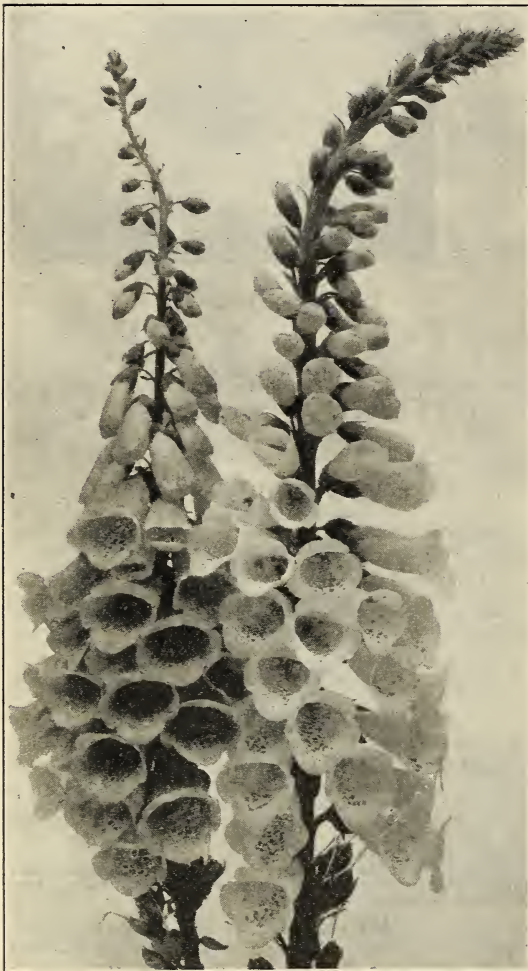
Hardy perennial of easy culture. Blooms first year from seed. The flowers are small and star-shaped, borne in clusters on long stems.

ALPESTRIS—Blue. **Pkt., 10c.**

FOUR O'CLOCK—(Marvel of Peru)

Plants are covered for months with innumerable silky flowers of the most ravishing colors, and exhaling a delightful perfume. It is an evening bloomer.

TOM THUMB, YELLOW LEAVED—Mixed colors. A new dwarf strain of great beauty. Grows only twelve inches high and each plant is a compact mass of lovely yellowish leaves which in evening are hidden by hundreds of gay blossoms. **Pkt., 10c.**

**DIGITALIS—(Foxglove)**

Hardy perennial, blooming the second year from seed. The bell-shaped flowers are borne on long spikes, and come in shades of purple, lavender, rose and white, all spotted lightly inside. Thrives well in cool, shady locations.

White, Rose, Purple, Mixed, **Pkt. 10c.**

FREESIA

These dainty little popular flowers may be grown from seeds or bulbs. They flower very early in the Spring and are one of the most delightfully fragrant flowers in cultivation. Freesias are easily grown from seeds and will bloom the following Spring if sown in the Fall.

Purity—White. **Pkt. 10c.**

Hybrid Ragionieri (Rainbow)—A pleasant mixture of pastel shades. **Pkt. 10c.**

GLADIOLUS (Primulinus Hybrids)

PRIMULINUS HYBRIDS—Flowers of distinct form and possess the clearest tones and tints of color to be found. The spikes are tall and graceful. **Pkt., 10c.**

GERBERA (Jamesonii Hybrids)

Large daisy-like blossoms with flower stems rising to a height of about two feet. Is also called Transvaal Daisy. Colors range from white to crimson, pink, rose, yellow and lilac shades. Flowers both Summer and Winter. Start carefully under glass and grow in a sandy, well drained soil if possible. **Pkt. 15c.**

GENTIANA ACAULIS (Gentian)

Intense blue flowers with yellow spot. Height 4 inches. **Pkt 10c.**

GERANIUMS

An old garden favorite and its popularity has not diminished with the years. They are generally grown from slips but they will produce almost as easily from seed and we offer an assortment of mixed varieties, giving different shades in coloring. The seeds should be started indoors early in the spring. The geranium is probably the best known and most admired of any garden flower and the geranium bed is always a beautiful sight and you may expect flowers from early summer until frost.

CHOICE MIXTURE—Seed saved from large flowering varieties and will produce a mixture of colored blooms. **Pkt., 15c.**

GOMPHRENA—(Globe Amaranth)

A showy annual everlasting with clover-like heads. Mixed, white, red and pink. **Pkt., 10c.**

GYPSOPHILA

Free flowering, elegant plants. The annuals are adapted for rustic rockwood and edging. The perennials are perfectly hardy, succeeding in any garden soil.

PANICULATA (Baby Breath)—Perennial. A mass of the finest leaves and branches, covered with tiny white, star-shaped flowers. **Pkt., 10c.**

ELEGANS—Annual. Small, white flowers. **Pkt., 10c.**

GOURDS—(Ornamental Climber)

Well-known climbers, with odd-shaped fruit. Fine for training over fences or trellises, and always sure to attract the attention of the children, who love to play with the pretty striped and oddly crooked fruits. Mixed Gourds, **Pkt., 10c.**

DIPPER—Fruit makes an excellent dipper and may be used for wren's nests. **Pkt., 10c.**

GEUM

Mrs. Hugh Bradshaw; a showy hardy perennial with large double brilliant colored flowers which are borne on long stems. Blooming from spring until fall. **Pkt., 10c.**

GODETIA

Handsome, showy annual about one foot high, of dwarf, compact growth; bear freely flowers 3 to 4 inches across, of exquisite colors. Mixed varieties and colors.

Brilliant, Crimson Glow, Duchess of Albany and Mixed colors—**Pkt., 10c.**

GAILLARDIA—(Blanket Flower)

The flowers are dazzling and brilliant in colors, red and yellow predominating. Easy to grow from seed, and will produce in profusion a continuous supply of exquisite flowers on long stems. Blooms from early spring until late fall.

**Gaillardia**

Will thrive in poor soil and are not affected by extremes of weather. Plants of strong growth with grayish foliage. Height, 18 inches.

Grandiflora—Mixed colors, Pkt., 10c; **Double**, 10c.
Amblyodon, deep red—Pkt., 10c.

GILIA

Hardy annual California wild flower. Sow the seed in the open either in the fall or spring.

CAPITATA, "Blue Gilia"—A slender branching plant 1½ to 2½ feet high; flowers light blue in dense globular heads. Pkt., 10c.

HELICHRYSUM**(Straw Flower)**

Everlasting flowers suitable for mixed borders. The flowers retain their shape and color for years, but it is necessary to gather them before they are fully expanded, and hung upside down to dry. Useful for winter bouquets, decorating, etc. Annual, Choice Mixed Colors, Pkt., 10c.

HIBISCUS

(ROSE MALLOW)—3 to 5 feet. Noble, shrub-like plants, with handsome green foliage, bearing throughout the summer large bright flowers, from 3 to 5 inches in diameter. August-September. Very hardy. Suitable for garden and indoor use when cut.

GOLDEN BOWL—Deep cream, with a velvety maroon center. Seeds, Pkt., 10c.

HELIOTROPE

A universal favorite on account of its delicious fragrance. Excellent for cutting. Seed sown in early spring will make fine plants during summer. Partial shade suits it best. Annual. Mixed colors, Pkt., 10c.

HEUCHERA EANGUINEA (Coral Bells)

A low-growing plant with heart-shaped leaves which form a low clump 6 to 8 inches high and bearing during the summer; loose graceful sprays of coral-red flowers in great profusion; suitable for the border or rockery. Pkt., 10c.

HYACINTHUS CANDICANS

Summer Hyacinth—Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high. Pkt., 10c.

HELIOPSIS PITCHERIANA**(Orange Sunflower)**

A hardy perennial growing 3 to 4 feet high, beginning to flower early in the season and continuing the entire season. The flowers are deep golden-yellow about 2 inches in diameter; of thick texture and very graceful for cutting. Pkt., 10c.

HEDYSARUM

Coronarium, Red—French Honeysuckle. Attractive border plants with showy racemes of deep red, fragrant flowers. 2-4 ft. Summer. Need sun and light, well-drained soil. Seeds, Pkt., 10c.

HELIANTHUS

SUNFLOWER—We have in this class plants of very stately growth with immense gaudy flowers, fine for wild gardens, along fences or garden walls.

DOUBLE CHRYSANTHEMUM FLOWERED—Pkt., 10c.

RED SUNFLOWER—Some flowers are a rich chestnut-red color, others tipped with yellow and others slightly washed with red. The flowers vary in size, some being very large. Plants grow from 4 to 8 feet. Pkt., 10c.

STELLA—Large golden-yellow petals, small, dark center. Pkt., 10c.

HUMULUS—(Japanese Hop)

A rapid-growing ornamental climber covering arbors, trellises, etc., in one season. The foliage resembles the common Hop and is very luxuriant, making a dense vine. Will stand extreme heat and remain green until frost. An annual.
JAPONICUS—Green foliage. Pkt., 10c.

HOLLYHOCKS

Our Hollyhocks are far superior to the old single and semi-double sorts. Once established they grow and bloom freely for years. Sow in early spring, in boxes or beds, and when 6 to 8 inches high transplant to their permanent place in open ground, placing them 1½ to 2 feet apart. Give them rich soil in a moist location, or where plenty of water can be given and they will grow 5 to 8 feet tall. The Hollyhock is an old-established flower and perhaps no other flower leaves such an impression as does the Hollyhock. The beautiful long spikes filled with tissue paper-like blooms, 3 inches across crushed closely together, give a beautiful and artistic background or tall border.

SINGLE MIXED COLORS, Pkt., 10c
DOUBLE MIXED COLORS, Pkt., 10c
DOUBLE ROSE Pkt., 10c
DOUBLE WHITE Pkt., 10c
DOUBLE SCARLET Pkt., 10c
DOUBLE YELLOW Pkt., 10c

**Double
Hollyhock**

Hide your fences with Hollyhocks.

ICE PLANT

MESEMBRYANTHEMUM CRYSTALLINUM — A most interesting plant, with delicate succulent almost transparent branches and leaves. Of drooping habit, adapted to baskets, vase work and rockeries. Prized for its singular foliage, which looks as though covered with particles of ice. **Pkt., 10c.**

IRIS

Kaempferi (Japanese Iris)—The seeds we offer have been saved from our own unrivaled collection, and should produce only varieties of the highest merit. Seed of slow germination. **Seeds, Pkt. 10c.**

Larger-flowering Hybrids—This seed comes from the trial grounds and workshop of a French Specialist who has introduced many new and beautiful varietes and this seed should produce some attractive sorts. Iris seedlings usually bloom second year. **Pkt. 10c.**

KUDZU VINE

(*Pueraria Thunbergiana*)

Jack-and-the-Bean-Stalk Vine. The most remarkable rapid-growing hardy perennial extant. In rich soil will grow 40 feet in one season. Three months of its growth will equal five years of most vines. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like lima bean; color, dark green; texture soft and wooly. For porches, arbors, old trees, etc., we know of nothing its equal. **Pkt., 10c.**

KOCHIA—(Mexican Burning Bush)

A splendid and novel plant. An easily grown annual suitable for all parts of the West. Sown thinly in spring when leaves begin to appear on the trees, it soon forms a cypress-like hedge of symmetrical form and of lively green color; by midsummer it attains a height of about 3 feet and on approach of cool weather the whole plant becomes a deep red. One of the most novel and interesting plants that can be grown from seed in any flower garden. **Pkt., 10c.**

LANTANA

Tender perennial, growing from 2 to 3 feet high, bearing verbena-like clusters of flowers in orange, white, rose and other colors. Good for bedding. Choice mixed. **Pkt., 10c.**

LINARIA-KENILWORTH IVY

Very pretty hardy evergreen creepers, well adapted for growing in pots or for covering walls or crevices. **Cymbalaria, Pkt., 10c.**

LINUM

(*Grandiflora Rubrum* "Scarlet Flax"—A very effective and showy bedding plant having fine foliage and delicate stems. The flowers are brilliant scarlet crimson. Plant about one foot high. **Pkt., 10c.**

LOBELIA

Exceedingly useful plants for edging flower beds, their free-blooming qualities and brilliant shades of blue and white making a pleasing contrast to the masses of reds and yellows so prevalent in bedding. They are splendid for hanging baskets, pot culture, etc. All are annuals except *Lobelia cardinalis*, which is a hardy perennial.

CRYSTAL PALACE COMPACTA—Dark blue. For borders and bedding. **Pkt., 10c.**

LARKSPUR

Exceedingly popular and free flowering hardy annuals, growing 1½ to 3 feet high, their long spikes of flowers on long stems rendering them of exceptional value for cutting purposes. They are of long continued bloom and very bright and showy. Sow in the Fall or Spring.

Dark blue, rose, white, **Pkt., 10c; Mixed Colors, Pkt., 10c; Emperor, Single Mixed Colors, Pkt., 10c.**

DOUBLE STOCK FLOWERED—A very striking tall variety with splendid spikes of beautiful double flowers; height, 2½ to 3 feet.

LATHYRUS

HARDY SWEET PEAS—Showy, free-flowering, hardy perennial climbers for covering old stumps, fences, etc., continually in bloom; fine for cutting. Similar to the regular Sweet Peas but they bloom longer. **Pkt., 10c.**

LUPINS

One of our most attractive and easiest grown native flowers. The plants grow 2 to 3 feet high and have handsome spikes of flowers which are fine for cutting. If the plants are not allowed to go to seed they will flower for several months in the spring. Annual Mixed—**Pkt., 10c.**

LYCHNIS

A genus of handsome and highly ornamental plants of easy culture, strikingly effective in mixed flower shrubbery borders. **H. P.**

Chalcedonica—Scarlet, 2 feet, **Pkt., 10c.**

LEPTOSYNE (Stillmani)

1½ feet. One of the quickest annuals, blooming within five weeks from date of sowing, and the golden-yellow flowers continue in perfection for a long period. Excellent for cutting. **Pkt. 10c.**

LEPTOSIPHON (French Hybrids)

Free flowering hardy annuals useful for edging and rockwork. Plants are thickly studded with charming bright flowers of various colors. **Pkt. 10c.**

Our flower seed list has been carefully revised, some new sorts added, and all the inferior kinds omitted, so that there is nothing in the list but what is worthy of cultivation, and if reasonably cared for will give satisfaction. Our aim is to offer nothing but the best and surest to please, a condensed list of leading kinds, and not the most bewildering and extensive list of varieties. No garden or lawn, whether large or small, is complete without a flower bed grown from Knox's Select Flower Seeds.



MARIGOLDS

The African varieties are the taller in growth, and produce large self-colored blossoms. The French varieties are smaller, some of them being elegantly striped and spotted. The dwarf-growing kinds make extremely handsome borders, being neat compact plants and remaining in full bloom until killed by frost. Seeds can be sown in open border, or earlier, in a cold-frame, and the young plants transplanted late in the spring to where they are to remain. They succeed best in a light soil, with full exposure to the sun. Annual.

TALL DOUBLE AFRICAN, MIXED—Extra large flowers, grows 15 to 30 inches tall. Various shades of yellow and orange. A bed of these will please you. Orange King, Lemon Queen. **Pkt., 10c.**

DWARF FRENCH—Grows 6 to 8 inches high. Rather small, highly colored. **Pkt., 10c.**

LEGION OF HONOR—Flowers rich golden yellow, marked with velvety brown. Best for edging. **Pkt., 10c.**

Plant continually and you will have flowers continually.

MESEMBRYANTHEMUM**Mesembryanthemum Tricolor (Dew Plant)**

For edge or rockwork, rosy lavender. Trailer. Pkt., 10c.

MALOPE

GRANDIFLORA PURPUREA—Annual, 2 feet high. Flowering well during the summer time. Large crimson flowers. Pkt., 10c.

MIMULUS, Moschatus (Musk Plant)

Musk-scented leaves, tiny yellow flowers. Pkt. 10c

MOON FLOWER

The Ipomeas (Moonflowers) are popular everywhere as climbers for shade on porches, trellises and arbors. They make a rapid growth and a dense shade, protecting porches from the hot rays of the sun. They grow 20 feet high in good soil, branching freely, and at night and during cloudy days are covered with large flowers. Seeds should be planted after all danger of frost is past, where plants are to stand about 10 inches apart. They can be planted earlier in pots in the house and transplanted when 6 inches high. The seeds are very hard, and to insure germination cut or file through this hard outer shell before planting.

HEAVENLY BLUE—A splendid companion plant for the white. Flowers very large and of a deep sky blue with reddish, purple rays. There is nothing in a blue color excelling the shade of the "Heavenly Blue." Pkt., 10c; Giant White, Pkt., 10c.

MIGNONETTE

By its sweet yet delicate odor the Mignonette has, for many years, endeared itself to every true lover of flowers. Fragrant as the violet, constantly in bloom, and easily grown, the modest Mignonette is found not only in the greenhouse of the millionaire, but in many a lowly garden and window box. Seed sown early in the garden will give flowers all through the summer and fall. The finest spikes of bloom are produced during cool, moist weather. For winter blooming, seed is usually sown in pots and brought on in succession, keeping the growing plants in a cool room.

SWEET—(*Reseda Odorata Grandiflora*)—A well known fragrant plant. Pkt., 10c.

MORNING GLORIES—(Ipomoea)

Free flowering, beautiful climbers with rich and varied colored flowers; very useful for covering lattice work, verandas, etc., where they are exceedingly effective. Soak the seed for several hours in warm water before planting.

IMPERIAL JAPANESE—They are beyond question the handsomest of all Morning Glories. Of the easiest culture; can be sown in the open ground in a warm and settled climate. The foliage is luxuriant, distinct and varied, green, silvery and yellow leaves; many are mottled light and dark green, white and gray. The giant flowers are beyond description; the self or solid colors range from snow white to black purple, an endless number having flowers spotted, marbled, striped, flaked, splashed, etc. Pkt., 10c.

TALL MORNING GLORY—The old favorite in all colors, mixed. Pkt., 10c.

NEMESIA

Hardy annual. This flower is obtainable in numerous shades of beautiful colors, and when grown in mass form, gives a fine effect. Sow in a seed bed early in the Spring and transplant.

Strumosa Suttoni—Mixed colors, height 15 inches. Pkt. 10c.

NICOTIANA (Flowering Tobacco)

A half-hardy annual, growing 3 feet high, with slender, tubular flower. Belongs to the tobacco family. Requires plenty of room in the garden. Pkt. 10c.

NEMOPHILA (Baby Blue Eyes)

A hardy California annual growing about 6 inches high. Has small cup-shaped exquisitely colored blossoms about one inch in diameter. Plants are of dwarf, spreading habit, of easy culture and makes a very effective front row to a bed or border. Pkt., 10c.

**CALENDULA MARIGOLD**

ORANGE KING (New)—Bears giant folwers sometimes 3 inches in diameter. Color pure orange. Pkt., 10c.

Lemon Queen—Like the above, but of pure lemon. Pkt., 10c.

Double Mixed—A good mixture of 8 or 10 different shades of yellow and orange; some clear colors and some shaded and striped. Pkt., 10c.

NIGELLA DAMASCENA**(LOVE-IN-A-MIST)**

This is one of our prettiest old-fashioned annuals. It will grow well under adverse weather conditions and withstands considerable heat and drought. Fine for the border, beds, or cutting.

Sow in April or May in light soil and thin to stand 10 inches apart. The plants grow 12 to 15 inches tall. Love-in-a-Mist is a very quick growing annual, blooming 8 to 10 weeks after sowing.

DAMASCENA, DOUBLE MIXED—A mixture of rich Cornflower-blue and pure white flowers. Easily grown and sure to bloom anywhere. Always admired. Pkt. 10c.

PORTULACA

(ROSE MOSS)—A low spreading plant with fern-like leaves of a dark green color. It produces an abundance of bright flowers in all colors. It will thrive in hot sun where other plants refuse to grow and will stand an unusual amount of drought. They begin to bloom in early spring and continue a mass of bloom until frost.

Double Mixed, extra fine quality. Double White, Yellow, Pink, Scarlet, Mixed Colors, Pkt., 10c. Single Mixed Colors, Pkt., 10c.

PRIMULA MALACOIDES—(Primrose)

It is quite hardy and is one of the best winter flowering plants we have. It is also well suited for pot culture. The flowers are of a delicate shade of lilac. Seed sown in August produces plants which flower through the winter months. Pkt., 25c.

Calendulas make a very desirable border

NASTURTIIUM

These may be termed everybody's flower. No flower garden is complete without them. They furnish a never failing display of brilliant bloom all through the season. Sow in any good garden soil. Thin tall sorts six inches apart, and ten inches for the dwarf varieties. No such brilliant range of shades and colors has ever been seen before in Nasturtium mixtures. They please every one who plants them and are sure to satisfy you if you want the best there is to be had. Nasturtiums are as easily grown as any other flower and the dwarf varieties make the most beautiful beds, borders, edging, and porch boxes, while the tall varieties are unsurpassed to cover stumps, flower stands, low fences, and unsightly places. It is doubtful if among the plants classed as annuals there is any other of the summer blooming varieties which combines in so great degree the ease of culture, beautiful flowers of showy colors, profusion of bloom from early summer until killed by frost, and general excellence as to the Nasturtiums. More and large flowers are produced on thin soils, very rich soil tending to make rank leaf growth. Hot weather has no injurious effect.

TALL OR CLIMBING VARIETIES—Pkt., 10c;

oz., 25c.

DWARF VARIETIES—Pkt., 10c; oz., 25c.

PASSION FLOWER

(Passiflora)

A half hardy perennial climber, shedding its leaves in winter. A very satisfactory climber of immense growth, as it will cover a porch or small cottage in one summer. Pkt., 10c.

PHLOX DRUMMONDII

For beds and massing, nothing can surpass these beautiful annuals. They produce immense trusses of large, brilliant flowers of numberless hues throughout the summer. This strain has beautiful round petaled flowers, larger than in the older sorts; showy and constant. Pkt., 10c.

STAR PHLOX

A decidedly unique variety. With the petals of all other Phloxes are entire, in this variety they are partly fringed and partly toothed; the central teeth of the petals are five or six times as long as the lateral ones, and project like little spines, giving the flowers a regular star-like form. The beauty of the flower is enhanced by a white margin which borders the edges of the petals. There are many distinct colors. Best Varieties Mixed, Pkt., 10c.

PHLOX DECUSSATA—("Perennial Phlox")—This splendid, free flowering perennial is deserving of a place in every garden. The plants grow about 3 feet high and produces large heads of flowers of the most beautiful shade. Sow the seed in the fall in seed pans and afterwards transplant. All colors, splendid mixed. Pkt. 10c.

ORNAMENTAL GRASS

This mixture of grasses is grown for their grace and beauty in the garden and for their cutting value. They are very decorative used either alone in vases or mixed with other flowers. Plant in the Spring in the open ground. Pkt. 10c

OXALIS

Oxalis (Shamrock, or Wood Sorrell)

OXALIS—(Shamrock, or Wood Sorrel). Delightful little plants for edging, hanging-baskets and rockwork.

TROPAEOLOIDES—Yellow. Height 1-4 ft. Pkt. 10c.

POINCIANA

Gilliesii (Bird of Paradise)

The blossoms are of a rich golden yellow, about 2½ inches in diameter, produced in large trusses, the most striking feature being the long, incurving stamens and pistils of a beautiful bright crimson color. Seed should be soaked in warm water and started indoors or under glass in a light sandy soil. Pkt. 10c.

PLATYCODON GRANDIFLORA

(Japanese Bellflower)

F A giant Bellflower growing 2 feet tall covered all summer with large, steel-blue flowers. Pkt. 10c.



PHYSALIS FRANCHETI

(Chinese Lantern Plant)

Has bright yellow or scarlet seed-pods. The fruit inside the pod is sometimes made into preserves. Pkt. 10c.

PHYSOSTEGIA (False Dragon Head)

Virginia—A very pretty, hardy perennial forming a dense bush 2 feet high and bearing freely during the Summer, leafless spikes of rosy-lilac tubular flowers. Pkt. 10c.

PRIMROSE

VERIS, MIXED—The Oxlip, bearing bright yellow flowers in umbels. 6-9 in. Seeds, Pkt., 10c.

POPPIES

DOUBLE CARNATION-FLOWERED—Annual. Fringed; colors are dazzling. Mixed, Pkt., 10c.

SHIRLEY—Annual. The range of color, extending from white through delicate shades of pink, rose and carmine to deepest crimson. Fine for cutting. Best Single Mixed, Pkt., 10c.

ORIENTALE POPPY—A charming summer flowering hardy plant producing numerous leafy stems about 2½ feet high, with large cinnabar red flowers, having a conspicuous black blotch on each petal; exceedingly showy. Pkt., 10c.

NUDICAULE (Iceland Poppy)—15 inches. May-August. Mixed. Elegant free-flowering plants bearing flowers in abundance all summer. Seeds, Pkt., 10c.

TULIP (Glaucum)—Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. Pkt., 10c.

PENTSTEMON—(Beard Tongue)

The flowers are borne in graceful spikes. The plants are herbaceous, and bloom from early summer until frost. The flowers are white, blue, scarlet, crimson, yellow, etc. Mixed, Pkt. 10c.

PYRETHRUM

Very showy flowers of easy cultivation; valuable for cutting. The daisy-like blossoms borne in great abundance and a variety of colors. One of the best hardy perennials. Pkt., 10c.



MASTODON PANSIES

These magnificent giant Pansies are without a doubt the most wonderful pansies of the day, with a robust vigor unknown in any other strain. These blossoms are almost four inches across and are of a most wonderful variety of colors and variegations. They bloom from two to four weeks earlier than any other variety of Pansies. It is impossible to paint a word picture that will do justice to these flowers. You will never regret it, if you have them in your garden or porch box.

Pansies thrive best in a moist, sunny location, and in rich loamy soil. Seed should be sown in the autumn for early spring blossoms, or can be sown early in the year for good flowers later in the spring. The plants must be transplanted twice in order to get the largest flowers; once from the seed box to a chosen bed, and again to the open garden. This is important for large size Pansies; use manure liberally. The blossoms are usually larger in the spring and again in the fall, and while they bloom freely all summer, the blossoms are small during the hot months.

Azure Blue. Golden Queen, Pure Yellow, Dark Purple, Lord Beaconsfield, Emperor William, Dark Blue, Yellow with Black Eye, Snow White, King of the Black, Black, Giant Mixed, Fine mixed, 10c per pkg.

PETUNIAS

No bedding plants make a more pleasing display than Petunias.

First, be sure that the soil is well pulverized then sow the seeds on the surface, pressing them into the soil by using a small smooth board and cover very lightly with sand or fine soil. Seed sown in a hotbed or the house early in the spring will produce flowering plants in June.

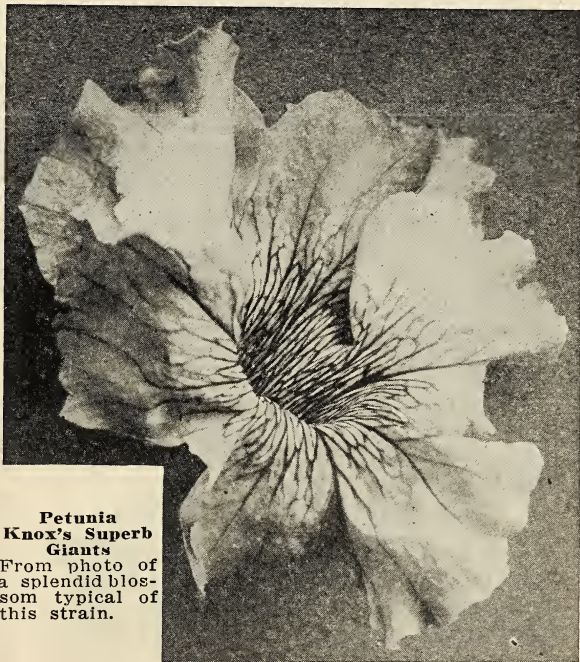
MONSTROUS RUFFLED.....Pkt., 50c.
DOUBLE MIXED.....Pkt., 25c
KNOX'S SUPERB GIANTS.....Pkt., 25c.
ELK'S PRIDE, DARK PURPLE...Pkt., 25c.
ALDERMAN, DARK BLUE.....Pkt., 10c
ROSY MORN, PINK.....Pkt., 10c
SINGLE MIXED.....Pkt., 10c

RUDBECKIA—(Golden Glow)

Bicolor Superba—These hardy annuals are of easy culture and produce an abundance of flowers. The flowers have a cone in the center surrounded by yellow and brown petals. These bright flowers are borne gracefully on long stems, and are especially recommended for cutting. Pkt., 10c.

SALIPGLOSSIS

These annuals are considered by many to be among the most satisfactory. They start easily from seed and very soon commence to produce their showy rich, dark-colored, bell-shaped flowers in great profusion, and continue in bloom until cut down by frost. Fine Mixed, Pkt., 10c.



**Petunia
Knox's Superb
Giants**
From photo of
a splendid blossom
typical of
this strain.



SCABIOSA—(or Mourning Bride)

Scabiosa is one of the most beautiful and most slighted of all the annuals. We can not urge you too strongly to plant some of these beautiful annuals. The improved types are vastly superior to the old sorts and I am sure you will be entirely satisfied with their results. The seed we offer is of the best quality.

A new, double, large-flowered type descended from the "Sweet Scabious" or "Mourning Bride" of old gardens, but are much improved in size, colors and doubleness. They are very free bloomers; very effective for garden decorations and valuable for bouquets, vases, etc. Annuals, 1½ to 2 feet high. Mixed colors. **Pkt., 10c.**

SENSITIVE PLANT

Pudica—Curious half hardy annuals with pinkish white flowers; the leaves close or droop when touched. Sow from February to May in a box and transplant when well started. **Pkt., 10c.**

SILENE (Catchfly)

Pendula Compacta—Bright double rose colored flowers produced in great abundance on dwarf compact plants. Very excellent for borders, masses and recommended for carpet bedding on bulb beds. **Pkt., 10c.**

STOKESIA CYANEA (Cornflower Asters)

A hardy perennial, 2 feet high, and bearing large blue flowers on long stems. Blooms freely all Summer and Fall, and is of easy culture, but is hard to start from seed. **Pkt. 10c.**

SAPONARIA (Bouncing Bet)

Vaccaria—A pretty and useful annual variety, bearing an abundance of satiny pink flowers somewhat like an enlarged Gypsophila; fine for cutting; 2 feet tall. Sow in the open at intervals for a succession of bloom. **Pkt. 10c.**

SOLIDAGO (Golden Rod)

3-5 feet. August-November. Gracefully arched sprays of golden yellow flowers. **Seeds, pkt., 10c.**

SCHIZANTHUS—(Butterfly Flower)

The sight of a few well-grown plants would induce anyone to grow them. They are simply elegant for decorative uses in pots or for cutting. Hybrid grandiflora compacta. These are large flowered with wonderfully beautiful color combinations in the same flower; 15 inches high. **Pkt., 10c.**

SOLANUM CAPSICASTRUM

For house or garden culture. The flowers are followed by small, brightly colored fruit or berries, which almost completely cover the plant. **Pkt., 10c.**

SALVIA—(Flowering Sage)

Half hardy perennials, blooming the first year from seed, which should be sown as early as possible either indoors or in a hot-bed, and the young plants transferred to their flowering quarters when the weather has become settled and warm.

SPLENDENS—One of the finest of the Scarlet Sages, growing in a compact bush about 2 feet high by 2 feet in diameter. Its erect spikes of flowers of brilliant scarlet stand clear above the dark green foliage and completely cover the plant. A most gorgeous plant. **Pkt., 10c.**

STATICE LATIFOLIA

(Sea Lavender)—These useful plants bear purplish blue everlasting flowers that last a long time after cutting, and are of very easy culture. Hardy perennial. Two feet. **Pkt., 10c.**

SMILAX

A graceful greenhouse climber for table decorations, bouquets, etc. **Pkt., 10c.**

SWEET WILLIAM

Beautiful, fragrant and easily grown, it is worthy of a place in every garden. The best varieties of Sweet William are of exceedingly beautiful colors, and the large fragrant flowers are borne in trusses of great size. They make a splendid show in the garden or hardy border and last well as cut flowers. Seed may be sown at any time from spring to mid-summer. Blooms during June and July. Perfectly hardy. **Pkt., 10c.**

NIGRESCENS, almost black.....**Pkt., 10c**

PINK BEAUTY, Newport pink.....**Pkt., 10c**

DIADEMATIS, rose, spotted and sprin-

kled with white.....**Pkt., 10c**

SINGLE MIXED COLORS.....**Pkt., 10c**

DOUBLE MIXED COLORS.....**Pkt., 10c**

BARBATUS X CHINENSIS (Annual

Sweet Williams).....**Pkt., 10c**

HINTS FOR FLOWER GARDENS

Many failures occur in the sowing of the very small seeded varieties of Flower Seeds as the result of covering too deeply, washing out by too heavy waterings or omitting to water in time, in which case they dry off, or shrivel up. Sow the Seeds in shallow seed pans, 2 or 3 inches in depth, first filling to within half inch of the rim with finely sifted soil, which press down firm and level; then scattering the Seeds evenly over the surface and covering with soil to three to four times the depth of the seed; the very fine seed should only be pressed down with a board. After sowing cover with a sheet of glass or a wetted sheet of paper until seedlings come through the ground after which remove the glass at least enough to admit fresh air or your seedlings will damp or rot off. As soon as they can be handled, transplant into similar boxes 1 to 2 inches apart, and when large enough put in the position where they are wanted to flower. Sweet Alyssum, Asters Nasturtiums, Mignonette, Marigolds, and all hardy annuals, may be sown where they are intended to flower, not too soon, as Seeds sown in a nice, warm seed bed will, with good weather, surpass those sown weeks before, as the latter usually become stunted through weather set-backs. Thin out where they come up too thickly. Hardy perennials may be sown from January to October. Early sowings should be made indoors in shallow pans or boxes, as described above, or then can be sown outdoors from May to August and transplanted in early autumn.

Sweet peas are the easiest and most beautiful flowers you can grow.



Early Branching Mammoth Nice Stocks
VINCA

Rosea (Madagascar Periwinkle)—An attractive and ornamental plant. Very good for bedding and borders. It is free blooming and makes a fine cut flower, all the buds opening in water. It also makes a fine pot plant. Seed may be sown early in Spring in seed boxes or in the open ground after danger of frost is over. Flowers are rose, pink and white. **Pkt. 10c.**

THUNBERGIA—Black-Eyed Susan

Beautiful rapid growing annual climber. Prefers a sunny position. All colors mixed. **Pkt., 10c.**

TRITOMA NEW HYBIRDS

RED-HOT POKER PLANT These bloom readily from seed the first year. Quite a variation in colors—orange through orange-scarlets to an intense flame color. Height 18 inches. Hardy perennial. **Pkt., 25c.**

VIOLETS—(Viola odorata)

Beautiful for clumps, or edgings, forming a compact mass of foliage, with a profusion of purple, mauve-colored and violet blossoms. The seed should be sown early in cold frame, and the young plants removed to the border where they are to bloom.

Single Sweet-Scented—Blue—Pkt., 10c.

VALERIANA (Garden Heliotrope)

Rubra Mixed—A much prized showy hardy perennial. It bears dense clusters of small heliotrope-scented flowers of red or white. Blooms continuously and is easily raised from seed. **Pkt., 10c.**

VISCARIA

Mixed. 1 ft. Very showy and effective garden annual, producing large single flowers in red or white. Very bright and effective for beds and useful for cutting. **Pkt., 10c.**

IMPROVED STRAIN OF DOUBLE FLOWERING STOCKS

GIANT WINTER STOCKS

This wonderful new strain of Stocks is of branching habit, making it possible to break long branches of flowers from the main stalk without injuring or destroying the beauty of the plant. The flowers are large and many of them on a stem. The sweet perfume of the Stocks make them most desirable for garden or for vases.

Purple, Bright Red, Golden Yellow, Lavender, Lilac, Rose, White—pure white, Azure Blue, Rose—Crimson King, **Pkt. 15c.** Mixed—all colors, **Pkt. 10c.**

STOCKS, DOUBLE TEN WEEKS (Gilli Flower)

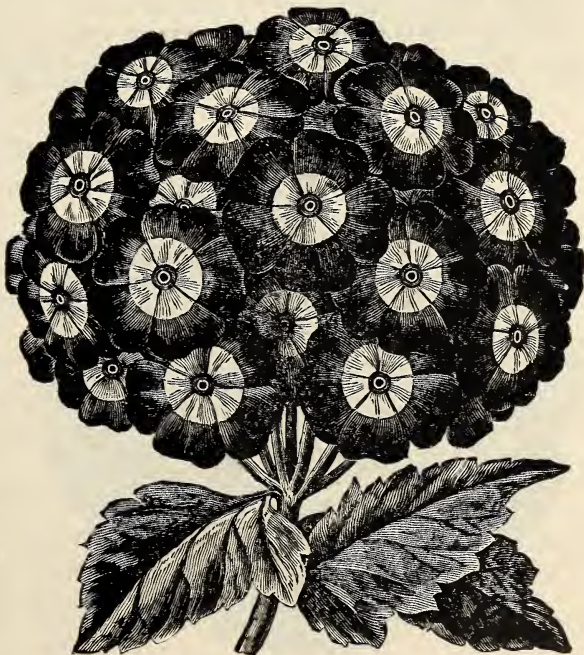
These popular flowers are easily grown, and are so highly fragrant and of such beauty that they deserve a place in every garden. They are great improvements over the Gilli flowers of the olden times, being much larger and more densely double, and of a greater variety of colors.

Azure Blue, Red, Rose, Mixed Colors, Pkt., 10c.

MAMMOTH VERBENA

Free flowering, half hardy perennial of low spreading growth, usually treated as an annual, cuttings and more vigorous. They make fine beds and edging around the home. The trusses and in-Plants grown from seeds are much cheaper than individual flowers of our Mammoth Verbenas are of the largest size, of brilliant colors, free-blooming and are vigorous growers. Sow in early spring in boxes or in open ground after danger of frost is past. Transplant when 3 or 4 leaves are formed or thin out to 2 feet apart each way in a sunny location with good soil. Plants grow rapidly to a foot high and spread to 2 feet across the top. About a dozen single flowers form in each cluster or truss and colors and stripes range from white to deep purple and red.

Giant White—Pkt., 10c **Giant Purple—Pkt., 10c.**
Giant Blue—Pkt., 10c. **Giant Scarlet—Pkt., 10c.**
Giant Pink—Pkt., 10c. **Mammoth Mixed—Pkt. 10c.**



Giant Verbena

Be sure and include Knox's Dahlia Flowered Zinnias in your order.

ZINNIA, GIANT FLOWERED MIXED

This is an improved strain of the old and popular Zinnia, producing double flowers of great size, often three to four inches in diameter and in colors cover a wide range. The plants grow about fifteen inches high and the double flowers are produced in great abundance on short stems.

Crimson, deep flesh, golden yellow, orange, purple, white, mixed colors.....Pkt. 10c

ZINNIA, GIANT PICOTEE

A remarkable new and different class with beautiful double flowers in orange, flesh, lemon, pink and cerise, each petal being distinctly tipped with various shades of dark, resembling the Picotee Carnations. Pkt., 10c

ZINNIA, CRESTED QUILLED

The petals of this type are peculiarly quilled. Varieties of rose and lilac, which when the petals twist, reflect pleasing autumn colors. Pkt., 10c.

ZINNIA, NEW DAHLIA FLOWERED

The plants are very sturdy and produce many flowers with stout stems. The flowers in full bloom often measure four inches in depth and six to eight inches in diameter.

The flowers differ from other Zinnias in the way the petals turn in toward the center which gives each flower a deep instead of flat appearance.

ORIOLE—Immense flowers of orange and gold. Very fine. Pkt. 15c.

EXQUISITE—One of the most pleasing shades. Color a light rose with deeper rose center. Pkt. 15c.

GOLDEN STATE—Yellow in bud, turning to a rich orange when in full bloom. Pkt. 15c.

CRIMSON MONARCH—Bright crimson. The largest of the dahlia-flowered type. Pkt. 15c.

CANARY BIRD—A delicate shade of primrose. Does not burn in the sun. Pkt. 15c.

DREAM—Deep lavender purple, a very beautiful shade. Pkt. 15c.

POLAR BEAR—A beautiful pure white flower of the form of a Dahlia. Pkt., 15c.

SPECIAL DAHLIA FLOWERED MIXTURE—This mixture contains all of the Zinnia novelties and is a most wonderful collection. It will make an excellent garden show and produce fine flowers for cutting. Pkt. 15c.



Double Giant Zinnias

WILD FLOWER GARDEN MIXTURE

These mixed flower seeds embrace more than a hundred varieties of such easy growing and pretty flowers as are suitable for forming a wild flower garden. They are very useful for woodland walks, roadsides, alongside of fences and on untidy bare spots which, if properly cared for and kept from weeds, can bloom during the summer. Pkt. 10c.

WALLFLOWER

(*Cheiranthus Cheiri*)

Produces spikes of beautiful, exceedingly fragrant flowers. Should be planted extensively all over the country. Blooms in May. Half hardy perennial. Pkt., 10c; double mixed colors. Pkt., 10c.

WISTARIA

PURPLE—Pendant cluster of purple flowers. Does not bloom until second year. Grows about 40 feet high. A hardy vine. Pkt., 15c.

XERANTHEMUM

A bright and pretty "Everlasting" with silvery foliage and silky flowers in rose, white and purple, which are not only showy in the garden but very useful as dried flowers in Winter bouquets. Grows 2 to 3 feet high, can be sown in the open in Spring. Pkt. 10c.



Extra Choice Sweet Peas --- Spencer Varieties in All Shades---Plant Now for Early Spring Blooms

ALL SPENCER VARIETIES

Sweet peas command the attention and admiration of every lover of flowers. They are so easy to grow, and produce such wonderful effects no home should be without them. Plant them along the fence, against the house or garage or string them up on wires or netting in the center of the yard. A southeast exposure is best but they will bloom most anywhere if they get part sunshine.

Plant them now and they will grow during the winter and develop a good strong root system and naturally produce a much larger and more beautiful flower. After spading break up any lumps and stamp the soil down very firm. Sweet Peas desire a firm seed bed to produce sturdy growth and long stems. Plant the seeds about one inch deep and six inches apart. Most people plant them too close together. After planting soak the ground good and as the ground dries keep the top worked up so that it will not crust or bake. When the plants are about three inches high it is time to provide some means of support. Stakes with strong string supports are fairly good but wire mesh is much better. Keep pruning out the lateral branches that have a tendency to cover one another as crowded plants never produce fine flowers. As fast as the sweet peas bloom cut (do not pull) them off as withered or dry blossoms spoil their looks and will cause them to go to seed too soon.

The sweet pea seeds we offer are grown by the best growers in the world and we can safely and conscientiously say that there are none better. A great deal of time and money is spent bringing out new and better varieties and improving the older sorts.

We submit the following list as the cream of varieties and feel sure that they will give entire satisfaction:

Early or Winter Flowering Spencer Sweet Peas

All White — Largest waved pure white.

Amethyst — Royal purple.

Asta Ohn — Lavender suffused mauve.

Aviator — Dazzling crimson scarlet.

Fair Maid — Blush pink, suffused salmon.

Glitters — Cerise.

Grenadier — Dazzling scarlet.

Mrs. Kerr — Salmon.

New Blue — Deep blue.

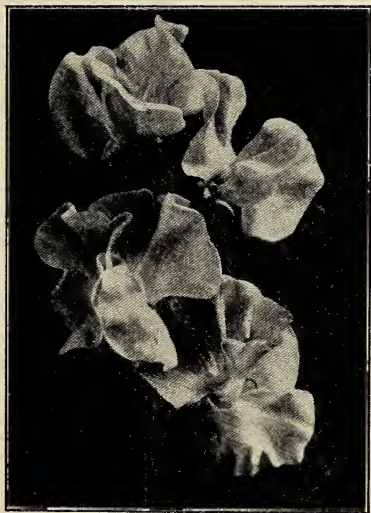
Rose Dore — Rose pink, suffused orange.

Superior Pink — Soft pelargonium pink, suffused with buff and salmon

Per Pkt. 10c.



Zvolanek's Rose — Giant Rose pink. Mixed Colors —



LATE OR STANDARDS

10c Per Pkt.—30c Per oz.

Asta Ohn — Pinkish lavender.

Aurora — Orange, pink and white-striped.

Blanche Ferry — Bright rose, wings white, flushed pink.

Blue Monarch — Dark blue.

Countess Spencer — Pure pink.

Crimson King — Rich oxblood crimson.

Del Monte — Rich salmon, cerise pink.

Defiance — Orange scarlet.

Edith Taylor — Rose salmon.

Florence Nightingale — Bluish lavender.

Hercules — Giant pure pink.

Illuminator — Bright salmon cerise.

King Edward — Pure red.

King White — White.

Masterpiece — Lavender.

Miss California — Salmon pink.

Del Monte — Rich salmon, cerise pink.

15c Pkg; 75c per oz.

Mary Pickford — Cream pink suffused with salmon.

Mrs. Cuthbertson — Rose pink, wings white.

Mrs. Tom Jones — Deep amethyst blue.

Margaret Atlee — Rosy salmon buff.

George Herbert — Rose carmine.

Nubian — Giant chocolate.

Othello — Deep maroon.

President — Brilliant orange.

Primrose — Pure primrose.

Royal Purple — Rich purple.

Royal Scott — Brilliant scarlet.

Tangerine — Salmon orange.

Wedgewood — Blue.

Youth — White-edged with a delicate soft rose-pink.

Giant Spencer — Mixed Colors.

Cupid — Mixed.

Prince of Orange, Pkt. 25c

FOR BETTER SWEET PEAS

If you wish larger flowers, longer and stronger stems, hardier vines, better colors and more flowers inoculate your sweet pea seeds with Farmogerm. It is easy to apply, just mix with the seed before you plant.

The bacteria are in a gelatine and furnish nitrogen to the plant increasing the vigor of the sweet peas. Order a box today.

Farmogerm, garden size, Price 25c.

AIDS IN SELECTING FLOWERS SEED FOR SPECIAL PURPOSES

BACKGROUNDS AND BORDERS

Large, Showy Annuals

Amaranthus	Larkspur	Ricinus
Colosia plumosa	Marigold, Tall	Salvia
Cosmos	Poppy, Tall	Sunflower
	Zinnia	

Dwarfer Sorts

Alyssum, hardy	Godetia	Pinks, hardy
Candytuft, hardy	Dianthus	Sweet William
Carnation	Myosotis	Violet
Daisy, Double	Pansy	

EDGING WALKS, ETC.

Ageratum	Lobelia compacta	Sweet Pea
Alyssum	Marigold, Dwarf	Cupid
Asters, Dwarf	Myosotis	Nasturtium
Candytuft	Phlox, Dwarf	Dwarf
Dusty Miller	Pinks, Chinese	Zinnia, Dwarf
(Centaurea)	Pyrethrum	

UNUSUAL FOLIAGE

Amaranthus	Centaurea	Marvel of Peru
Canna	Gymnocarpa	Pryethrum
	Coleus	aureum

CUTTING

Acroclinium	Delphinium	Poppy
Antirrhinum	Dianthus	Pyrethrum
Aquilegia	Eschscholtzia	Salpiglossis
Aster	Gaillardia	Scabiosa
Calendula	Heliathus	Schibanthus
Calliopsis	Larkspur	Stock
Centaurea	Marigold	Sweet Pea
Campanula	Matricaria	Sweet William
Carnation	Mignonette	Sweet Sultan
Chrysanthemum	Myosotis	Verbena
Coreopsis	Nasturtium	Wallflower
Cosmos	Pansy	Zinnia
Dahlia	Phlox	

DROOPING PLANTS FOR VASES, BASKETS,

VERANDA BOXES, ETC.

Alyssum	Petunia	Smilax
Lobelia	Nasturtium	

PLANTS SUITABLE FOR POTS THAT MAY BE GROWN FROM SEEDS

Ageratum	Cineraria	Nasturtium
Antirrhinum	Coleus	Dwarf
Dwarf	Cyclamen	Petunia
Asters, Dwarf	Heliotrope	Primrose
Begonias	Mignonette	Stocks
Carnation	Myosotis	

BEDS AND MASSING

Alyssum	Chrysanthemum	Pansy
Ageratum	Coreopsis	Petunia
Antirrhinum	Dahlia	Phlox Drum-
Aster	Dianthus	mondii
Balsam	Eschscholtzia	Poppy
Calendula	Gaillardia	Portulaca
Calliopsis	Lobelia com-	Salvia splendens
Candytuft	pacta	Stocks
Carnation	Marigold	Verbena
Celosia	Nasturtium	Vinca
	Dwarf	Zinnia

PARTLY SHADED PLACES

Ricinus	Coreopsis	Myosotis
Antirrhinum	hardy	Poppies, hardy
Aquilegia	Delphinium	Schizanthus
Begonia tuberosa	Digitalis	Pansy
Bellis	Hardy Primrose	Violet
Canterbury Bells	Matricaria	

CLIMBING VINES, ANNUAL

Balloon Vine	Humulus or	Balsam Apple
Scarlet Runner	Japanese Hop	Moonflower
Bean	Ipomoea, all	Morning Glory
Cypress Vine	kinds	Nasturtium, Tall
Gourds, Ornamental	Momordica or	Sweet Peas

CLIMBING VINES, PERENNIAL

Australian Pea	Cobaea scandens	Lathyrus
Vine	Heliotrope	latifolius
Clematis	Kudzu Vine	Smilax

INSECTICIDES AND FUNGICIDES



ACME GARDEN GUARD

No sprayers, no water, no mixing. Dust on plants from sifter top carton or through burlap sack. Acme Garden Guard is the strongest garden insecticide of its type on the market—yet safe to use. Ideal for the housewife to use.

For Use On

Cabbage, culiflowers, tomato plants, melon vines, currant and gooseberry bushes and other vegetables, flowers and shrubs of many kinds.

The Bordeaux Mixture in Garden Guard acts, in a measure, as a fungicide.

1-lb., Sifter Carton, 35c
5-lb. Paper Bag, \$1.00

ACME 2-WAY SPRAY

An approved balanced Insecticide and Fungicide containing 14% Arsenate of Lead and 83% Bordeaux Mixture—2 results with one spray.

Controls insects, combats blight, stimulates foliage.

Easy to apply—wet or dry—For dusting apply lightly, as it comes in the package.

In spraying apples, grapes, muskmelons, potatoes, squash and tomatoes, use $9\frac{1}{2}$ level tablespoonfuls to 1 gallon of water.

$\frac{1}{2}$ -lb. carton, 25c; 1-lb. carton, 45c; 4-lb. carton, \$1.60



ACME BORDEAUX MIXTURE

Prevents large losses caused by blight rot, mildew, scab, anthracnose, and certain other fungous diseases, will stimulate plant growth and greatly increase the harvest. On apples, grapes, currants, gooseberries, strawberries, pecans, potatoes and tomatoes, use 8 level tablespoonfuls to 1 gallon of water.

For spraying sour cherries, plums, celery, beans, oranges, grapefruit and lemons, use 6 level tablespoonfuls to 1 gallon of water.

1-lb. Carton, 40c; 4-lb. paper bag, \$1.25

ACME ARSENATE OF LEAD

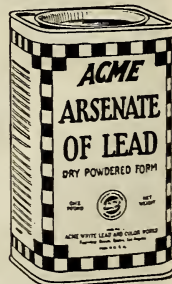
It kills the bugs, sticks to the leaves and does not burn or injure the foliage.

While these qualities make it the favorite spray for fruit trees, it also gives splendid results on vegetables and tobacco.

Arsenate of Lead is recommended to control leaf eating insects on apples, cherries, currants, gooseberries, grapes, peaches, pears, plums, strawberries, pecans, asparagus, beans, cabbage, cauliflower, potatoes, tomatoes, and tobacco.

When dusting fruit, add 5 parts hydrated lime. Vegetables 8 parts lime.

$\frac{1}{2}$ -lb. carton, 30c; 1-lb. carton, 50c; 4-lb. paper bag, \$1.00.



ACME PARIS GREEN

The deep, rich emerald color stamps Acme Paris Green as a standard of quality. Always uniform, fluffy and free running, it assures the user of maximum results. When used dry will not clog the dusting machinery.

For potato bugs, use from $\frac{1}{2}$ to $\frac{3}{4}$ of a level tablespoonful to 1 gallon of water. Apply as a dust on cotton, using 1 part Paris Green, 1 part flour, 5 parts lime. On tobacco, use as a dust alone or mixed with Arsenate of Lead.

$\frac{1}{4}$ -lb. carton, 20c; $\frac{1}{2}$ -lb. carton, 45c; 4-lb. carton, \$1.60.



ACME LIME SULFUR

Acme Lime Sulfur is a 33° Baume Lime and sulphur solution, converted into dry powdered form, having all the effectiveness without the bother of handling.

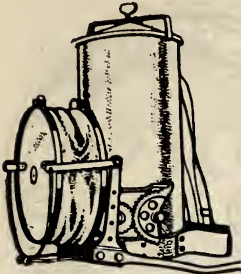
For dormant spraying in the fall or early spring against Scale, Peach Blight, Leaf Curl and Twig Borer, use 9-11 tablespoonfuls to 1 gallon of water.

For summer spraying against Scab, Soot and Blotch, use from $2\frac{1}{2}$ to 3 level tablespoonfuls to 1 gallon of water.

1-lb. can, 35c; 5-lb. can, \$1.50; 10-lb. can, \$2.50.

Orchard and Garden Supplies

AMERICAN BEAUTY DUSTER



The best dry powder duster on the market. For orchard, Vineyard, Garden and Field. If interested write for circular.

Because of its bellows capacity, it can be used where no other knapsack sprayer could possibly reach.

Its spiral agitator and fine screens cause it to deliver a finer dust than any other machine, hence it is more thorough and economical.

Standard size, wt. 15 lbs., \$20.00, f. o. b. Stockton.
ANCHOR SULPHUR

It has been proven and so recommended by the University of California that if you sulphur your grape vines and orchards six times they will not be affected by Mildew or Red Spider.

Anchor Brand Velvet Flowers of Sulphur, packed in double sacks the fluffiest and purest sulphur that money can buy; the best for vineyards; the best for bleaching purposes, leaving no ash. Per lb., 10c; \$4.75 per sack of 110 lbs., f. o. b. Stockton.



TO INCREASE CROP YIELDS



Experiments conducted during the past few years by noted soil chemists and practical cultivators have revealed that Sulphur:

- 1—Improves Alkali Soil.
- 2—Promotes Nitrification.
- 3—Transforms Latent Potash and Phosphates into available Plant Food.

It renders the potash and phosphoric acid soluble in water. These minerals in solution, together with Sulphur in the form of sulphates, are eagerly absorbed by plants, with the result that crops are increased even four and five fold.

- 4—Increases protein and feeding value.
- 5—Destroys the spores of Fungi and the larvae of injurious insects in the soil. Prevents Potato Scab, Wire Worms, Eel Worms, or Nematodes, Etc.



SLUG SHOT

Used from ocean to ocean.

A light composite, fine powder, easily distributed either by duster, bellows, or in water by spraying. Thoroughly reliable in killing Currant Worms, Potato Bugs, Cabbage Worms, Lice, Slugs, Sow Bugs, etc., and is also strongly impregnated with fungicides. Put up in popular packages at popular prices. 1 lb. pkg., 25c; 5 lbs., \$5c; 10 lbs., \$1.50, f. o. b.



GARDEN DUSTER

This is a medium-sized duster for use in the home garden. It is very effective in applying Garden Dust in places that are difficult to reach with any other duster. If you have any dusting at all to do this little gun will please you. Each \$1.00, f. o. b. Stockton.

GRAFTING WAX

A Lion Brand preparation for healing wounds on trees, caused by pruning. Very excellent also for spreading around the graft in grafting propagation. Three sizes: Lb., 60c; ½ lb., 35c, and ¼ lb., 20c.

RAT SCENT

A scented bait that they cannot resist. They will leave other foods to eat it and die outside. A remarkable poison that is safe to use. Pkt., 35c. Cannot be mailed.

GARDEN TROWELS



MOE'S LINE

No. 80—Garden Trowel. One piece, pressed steel. Handsomely finished in black baked enamel. Length of blade 6 inches. Ground and polished points. Shipping weight 2 lbs. Each 25c.

TRANSPLANTING TROWELS



MOE'S LINE

No. 81—Transplanting Trowel. One piece pressed steel. Handsomely finished in black and baked enamel. Length of blade 6 inches. Width 1½ inches. Ground and polished points. Shipping weight 2 lb. Each 25c.

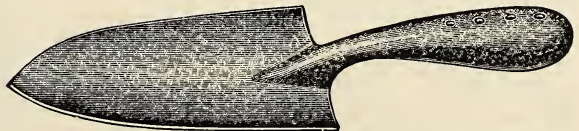
STEEL GARDEN WEEDERS



MOE'S LINE

No. 82—Garden Weeder. One piece pressed steel. Handsomely finished in black baked enamel. Has five steel fingers, and is one of the most useful and handiest garden tools made. Ground and polished points. Shipping weight 2 lbs. Each 25c.

GALVANIZED GARDEN TROWEL



No. 85—Garden Trowel. Made of a single piece of heavy galvanized steel. Handle and blade all in one piece. No wood handles to break or come off. An excellent tool at a low price. Length of blade 6 inches. Each 10c.

GARDEN HOSE

This is the highest grade of garden hose, being made entirely from New Para Rubber, and will outlast cheap hose three times over. We guarantee it to stand a 300-lb. water pressure, and it will be as resilient in three or four years' time as when new, while cheap hose of that age will be hard and rotten. Every length of hose is fitted with the new water-tight couplings, without extra charge. (Hose is furnished only in 25-foot and 50-foot length; the size ¾ inch refers to the internal diameter of the bore).

Prices—¾-inch bore, per 25-ft. length. \$3.00; per 50-ft. length. \$6.00.

Use Sulphur for red spider, mildew and bleaching purposes

Orchard and Garden Supplies--Continued

"BLACK LEAF 40"



Nicotine Sulphate—40% Nicotine

This is the insecticide that is so highly recommended by Experiment Stations. It destroys Aphids (plant lice), Thrips, Leaf-hoppers on all tree, brush and vine fruits, vegetables, field crops, flowers and shrubs; also Apple Red Bug, Pear Psylla and similar soft-bodied sucking insects—all without injury to foliage.

May be combined with other sprays. Highly concentrated. Soluble in water—easy to mix—does not clog nozzles.

You cannot go wrong by ordering "Black Leaf 40" for sucking insects.

1 oz., 35c—Makes 6 gallons spray.
 ½ lb., \$1.25—Makes 40 to 120 gallons.
 2 lbs., \$3.50—Makes 160 to 500 gallons.
 10 lbs., \$13.50—Makes 800 to 2500 gallons.

VOLCK

The Scientific Orchard Insecticide

Volck is primarily a contact insecticide. It kills insects in various stages of their life cycle—egg, larval and adult. VOLCK possesses a wide margin of safety to the plant and fruit. This quality of VOLCK makes it possible to spray at the time of the year when an insect pest is most easily killed. This wide margin of safety makes possible really effective pest control, even of the most resistant scale or Mealy ug. It also makes it possible for a grower to adjust his pest control program so as to control several pests at the same time, thereby lessening the number of necessary spray applications.—Price ½ pt. 40c, Qt. 85c, gal. \$2.00, f. o. b. Stockton.



HOT KAPS

A new invention that is taking the market gardeners by storm. So constructed that the wind cannot blow these plant covers away, because the machine places dirt around the edges. They are already folded ready for use. One man can do the work of four. After setting, the field looks uniform, like a well kept garden. Price per 1,000 \$10.00. Less than 100 lots, 1c each. Write for prices in larger quantities.

BLUE STONE—(Copper Sulphate)

Blue Stone is extensively used as a dormant spray against Curl Leaf, Shot Hole Fungus, Brown Rot and any other fungus diseases.

To obtain a 5-5-50 mixture, five pounds of Blue Stone, five pounds of unslacked lime and fifty gallons of water should be mixed.

First dissolve the Blue Stone in a tank and slack the lime in another tank. Pour the contents of these two tanks into a third tank, being sure that you pour them both at once or they will not mix. Do not add the Blue Stone to the lime or the lime to the Blue Stone.

If a stronger solution is desired, 6, 7 or 8 pounds of each material may be used.

Prices. 1 lb., 10c; 10 lbs., 85c; 50 lbs., \$4.00; 100 lbs., \$7.75; bbl., 400 lbs., 7c per lb., f. o. b. Stockton.

LIME—For use in making Bordo. A very high grade lime. Packed in steel barrels of 180 lbs. each, \$3.25 f. o. b. Stockton.

HERCULES SPREADER—

The finest casein spreader on the market today. It is put up in 1-lb. bags and which is enough for a 200 - gallon tank. It is manufactured by the Hercules Glue Co. Price: 1-lb. pkg., 25c; per case of 50 lbs. 15c per lb.



FISH SOAP

FISH OIL SOAP CAKE—For destroying lice and insects on plants and rose bushes, dissolve one pound in ½ gallon of hot water, and add enough cold water to make five gallons of spray. 1 lb., 25c.

Packed 40 lbs. to can for use as a spreader for other sprays. Price. 40 lb. can, \$6.50.

FERTILIZERS

FRUIT AND VINE is a complete fertilizer for use on slow growing crops such as onions, potatoes and trees. It contains 4% nitrogen, 8% phosphoric acid and 3% potash. It is used very extensively by market gardeners and orchardists. When applied at the rate of 600 lbs. to the acre astonishing results will be obtained.

For use in vineyard and orchard use at the rate of 700 lbs. per acre. Do not apply too near the tree but out about five or six feet from the trunk so that it will go straight down to the roots. Water well.

Per 100 lbs., \$4.00, f. o. b. Stockton.

NITRATE OF SODA—Valuable solely for the nitrogen it contains. It is chiefly a stimulant, used in addition to other fertilizers. It is quick in action and hastens crops to maturity. Being extremely soluble, it is easily applied after the plants are above the ground at the rate of 100 to 500 pounds per acre. 15c lb.; 3 lbs., 35c; 100 lbs., \$5.00.

FISH MEAL—Fish Meal is made from ground fish and contains a great deal of nitrogen. Nitrogen produces quick results and should be used on quick growing crops such as celery and lettuce. It is used very extensively by the market gardeners. Apply at the rate of 500 lbs. per acre. Price per 100 lbs., \$4.50, f. o. b. Stockton.

Write for ton prices.

MOCOCO FERTILIZER—Is an odorless chemical fertilizer especially prepared for use on lawns and flowers. It is very strong and should be used sparingly. For lawns apply at the rate of one pound to two hundred square feet of lawn. It must be thoroughly watered as soon as it is applied. Write for free booklet of its many uses. Packed in 25 lb. white cotton bags and 2 lb. cartons. A 25 lb. bag is sufficient for the average home for lawn, flowers and pot plants.

Prices, 25 lb. bag, \$1.00; 2 lb. carton 35c, f. o. b. Stockton.

STIM-U-PLANT

PLANT TABLETS—The most modern, efficient and scientific method of fertilizing growing plants. It is a plant food in tablet form, containing 11% nitrogen, 12% phosphoric acid and 15% potash. Stim-U-Plant tablets are the richest plant food sold, highly concentrated, immediately available forms of plant food for use in stimulating all fruit, flower, vegetable and ornamental plants. These plant tablets promote a luxuriant, vigorous growth of branch, leaf and flower. Try them on your house plants and they will become strong and healthy. Complete directions with package. Prices 15c, 25c, 75c.

Stim-U-Plant makes a Wonder Garden.

All prices on this page are quoted F. O. B. Stockton

Feed and Poultry Supplies



COULSON'S EGG FOOD—Coulson's Egg Food is the best and only successful balanced ration for Dry Hopper Feeding. It can also be fed as a morning mash. Write for prices.

COULSON'S SCRATCH FOOD—Coulson's Scratch Food is made from the best grades of grain, blended together in such a manner as to make a perfect scratching food. Prices on application.

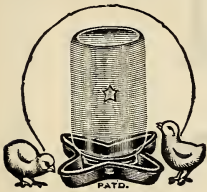
COULSON'S GRAIN FOR PULLETS—Coulson's Grain for Pullets should be fed in conjunction with the Growing Mash. The two feeds form an ideal ration. Prices on application.

COULSON'S CHICK FOOD—Coulson's Special Chick Feed contains the ingredients that are best adapted to give nourishment to young chicks. Write for prices.

COULSON'S BABY CHICK MASH—Coulson's Baby Chick Mash is a buttermilk mash especially adapted to baby chicks until they are six weeks old. Write for prices.

COULSON'S PIGEON FEED—Coulson's Pigeon Feed is a balanced ration made up of grains and peas.

STAR CHICK FEEDER and FOUNTAIN



Price 15c

MOE'S DRY MASH HOPPERS

A Dry Mash Hopper of great merit, made of heavy galvanized iron. The curved bottom keeps the feed within easy reach of the birds.

The wire grid and the wires running from the flange through the wire grid prevent the fowls from throwing out or wasting the feed.

The sloping top prevents them from roosting on the hopper. When both covers are closed it is rat, mouse and weather proof.



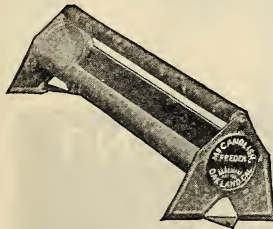
Made in four sizes:
10 Qts., Ship. Wt., 5 lbs., \$1.65
14 Qts., Ship. Wt., 7 lbs., \$2.20
22 Qts., Ship. Wt., 10 lbs., \$2.50

MOE'S DOUBLE FEEDING TROUGH

ROUND FEEDER

No. 11—Diameter 6 in. with 8 holes. Price each, 15c; per doz., \$1.80.

No. 12—Diameter 8 1/2 in., with 12 holes. Price each 25c; per doz., \$3.00.



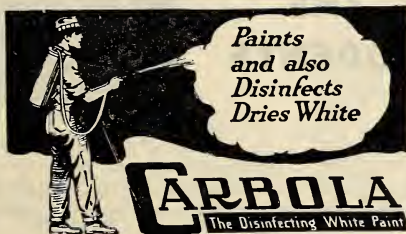
CARBOLA

Disinfects and Paints at the same time—Saving labor, money and time.

Carbola is two things in one—a paint and a disinfectant. It is not a whitewash or a kalsomine.

Stays white and has no disagreeable odor.

1 lb., 40c; 10 lbs., \$1.75; 50 lbs., \$5.00.



Paints
and also
Disinfects
Dries White

CARBOLA
The Disinfecting White Paint

FOUNTAINS

This fountain fills the breeders' requirements for a good inexpensive article. Made in two pieces, accurately stamped and formed. Easily filled and cleaned. Made of best quality galvanized iron in three popular sizes. Ship. Wt.

No. 19, 1 Qt., 2 lbs., Each 40c
No. 20, 2 Qts., 3 lbs., Each 50c
No. 24, 1 Gal., 4 lbs., Each 65c



KRESO DIP No.1 IS WORTH CROWING FOR



IT
KEEPS POULTRY HEALTHY

EXTERMINATES LICE AND MITES

and used freely as a disinfectant it proves a sanitary protection against the common poultry diseases.

Use it on All Livestock

to

Kill Insect Parasites and Help
Prevent Contagious Diseases.

Efficient—Easy to Use—Economical

Write for free descriptive
booklets.

Kreso Dip No. 1 in Original Packages

Pts., 50c; Qts., 75c; 1/2 gal., \$1.25; gal., \$2.00; 5 gal., \$9.00. Not prepaid.

We carry a complete line of Poultry Supplies.

Buckeye "Blue Flame" Brooder

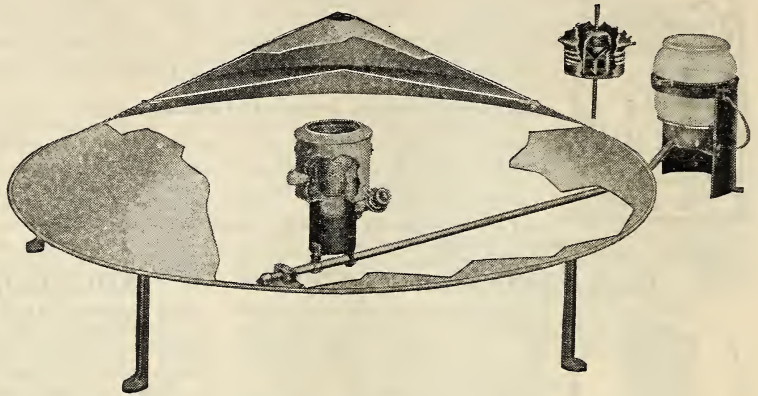
During the past five years we have kept our Experimental Department busy with a view of developing a coal-oil (kerosene) colony brooder that would come up to our ideals and it gives us a lot of pleasure to tell the poultry producers at large that we have perfected such a truly remarkable blue-flame brooder, that every brooder we build will be sold under the same 30 days' money-back guarantee which we have always given with our coal-burning brooders.

No. 27A—200 Chicks.....\$17.50

No. 80 —350 Chicks..... 19.00

No. 81 —500 Chicks..... 21.50

(f. o. b. Stockton)



The Buckeye Standard Colony Brooder

Since January 1, 1915, 100,000 Standard Buckeye Brooders have been sold. This machine has such a wonderful record among poultry raisers that it is not necessary for us to go into detail describing it. It is a coal burner, burns either soft or hard coal; self-regulating; can be operated in any room in any temperature. It is the simplicity of the Standard and its reasonable price that makes it the most popular brooder on earth. The Standard is made in two sizes:

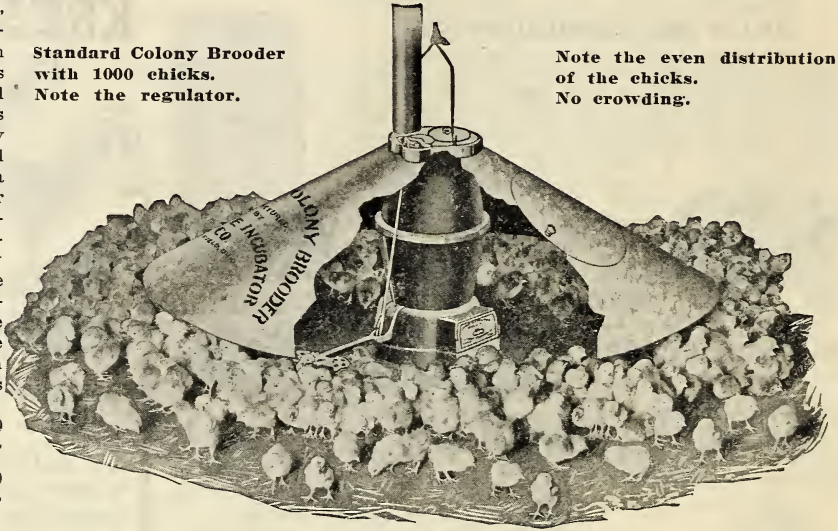
No. 118—Capacity 500 chicks, weight 74 lbs., price, \$21.50.

No. 119—Capacity 1000 chicks, weight 94 lbs., price, \$26.50.

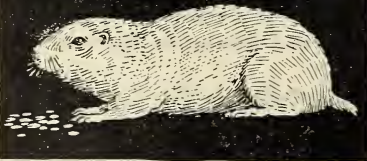
F. O. B. Stockton.

Standard Colony Brooder
with 1000 chicks.
Note the regulator.

Note the even distribution
of the chicks.
No crowding.



GOPHER-SCENT



GET RID
OF
THE
RODENTS

RAT-SCENT



Gopher Scent is the latest and most improved method of poisoning gophers and squirrels. The scent attracts the gopher and draws him to the bait. We have had some wonderful reports on Gopher Scent and feel that we cannot recommend it too highly. Small pkg. 35c.

A specially prepared poisoned grain. The scent attracts rats and mice to the bait and the grain itself is agreeable to their taste. Place it in small piles around holes and places they frequent. It is very effective. Pkg. 35c. Cannot be baited.

Buckeye Brooders are recognized throughout the world as the best



The **CYCLONE** —Saves Valuable Seed

by even distribution. Uneven seeding is wasteful. The Cyclone will sow many acres per hour and any amount per acre. Does the work quickly—**Saves Labor.** It has been a success for more than 40 years. Many hundreds of thousands of Farmers in America, Canada, Europe and other countries have long relied on it for sowing clover, timothy, alfalfa, oats, wheat or any other seed that is sown broadcast.

Construction:— Its well known Double Feed: insures a uniform flow of Seed. Slope Feed Board: keeps hopper properly filled. Feed Adjustment: is automatic and starts or stops flow of seed instantly. Distributing Wheel: scatters seed evenly. Throws equal amounts to equal distances on each side of operator.

For Price See Reverse Side

The **"HORN"** Seed Sower THE SECTIONAL TUBE STYLE Has Brass Seed Gauge—Patented

Will sow perfectly all small, smooth seeds like alfalfa, clover, timothy, etc., any desired amount per acre and you can rely on this perfect seed gauge. Easily operated. Fully Guaranteed.

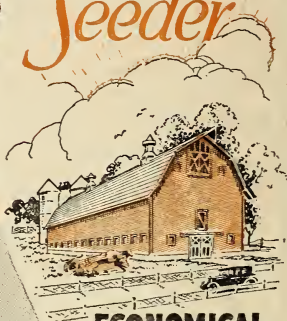
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For Price See Reverse Side



The **CYCLONE**

*The World's Standard
Broadcast
Seeder*



**ECONOMICAL
EASY to OPERATE
DEPENDABLE
and
LASTS A LIFETIME**

For Price See Catalog
KNOX SEED CO.
Stockton, Calif.



It also contains internal antiseptics that counteract disease; insures a healthy, singing poultry flock. Costs but a trifle—a penny's worth is enough for 30 hens per day. 1½ lbs. 30c; 5 lbs., 85c; 12 lbs. \$1.85. Not postpaid.

INSTANT LOUSE KILLER



Kills lice on poultry, horses, cattle, sheep ticks; bugs on cucumber, squash and melon vines; cabbage worms; slugs on rose bushes, etc. Sold in sifting-top cans—look for the word "Instant" before buying. 30c—60c.



DR. HESS'S POULTRY PAN-ACE-A

makes poultry healthy; makes hens lay; not a stimulant, but a tonic, that tones up the dormant egg organs, brings back the scratch and cackle; and compels each hen to put her share of eggs in the market basket.

PRATT'S POULTRY REGULATOR



It builds up vitality, insures sound digestion, sharpens appetite and prevents disease, thus putting birds in condition for heavy egg laying or winning blue ribbons. Pratt's is the original Poultry Regulator of America and is in use by the most successful poultry raisers everywhere. When regularly used, hens lay throughout the year. It will prevent chicken cholera, gapes, roup, rheumatism, expel worms, prevent leg weakness and egg eating. It will greatly improve turkeys, geese, ducks, pigeons and guineas, insuring quick growth and keep them free from disease. Packages, 30c, 60c, \$1.20

ANIMAL REGULATOR

No nutritive properties are claimed for Pratt's Animal Regulator. (All animals receive nutriment from their regular grain rations and other bulk feeding stuffs). Pratt's Animal Regulator, however, is a medicinal tonic and regulator, to be used in small doses as directed, and mixed with the animal's regular feed. It is not sold as a feeding stuff, nor is it to be fed in place of grain or any other bulk feed.



60c per package.

PRATT'S REMEDIES

Pratt's Roup Remedy	30c	60c
Pratt's Lice Powder	30c	60c
Pratt's White Diarrhoea Remedy	30c	60c
Pratt's Chicken Cholera Remedy	30c	60c
Pratt's Sore Head-Chicken Pox Remedy	30c	60c
Pratt's Scaly Leg Remedy	30c	

DR. HESS FLY CHASER

Drives flies away. One application lasts six hours. Prevents milk slump. Keeps cattle and horses contented during the fly season. Most humane idea of the age. Its use during summer months will insure good profits.

1 Gallon \$1.75



DR. HESS'S STOCK TONIC

Small size	75c
Large size	\$1.50

DR. HESS'S ROUP REMEDY

4 oz. cans	30c
10 oz. cans	60c
White Diarrhoea Remedy	30c
White Diarrhoea Remedy	60c

DR. HESS'S HEALING POWDER

4 oz. cans	25c
10 oz. cans	50c



CONKEY'S LICE POWDER

The strongest and most effective Lice Powder for body lice ever made. It doesn't scare, stun or drive the lice away—it kills them on the spot. Lice simply cannot live where Conkey's Lice Powder is properly used. Try it today and free your fowls from these parasites.

Prices: 15 ozs., 45c; 48 ozs., 90c. Express extra.



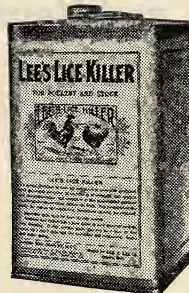
CONKEY'S REMEDIES

Conkey's Gape Remedy	30c	60c
Conkey's Scaly Leg Remedy	30c	
Conkey's Roup Remedy	30c	60c
Conkey's Poultry Tonic	30c	60c
Conkey's Head Lice Ointment	30c	60c
Conkey's White Diarrhoea	30c	60c
Conkey's Poultry Worm Remedy	30c	60c
Conkey's Chicken Pox	30c	60c

LEE'S LICE KILLER

Lee's Lice Killer has been for twenty years the poultryman's stand-by in keeping chickens and poultry house free from lice, mites and scaly-leg. A liquid, simply painted on the roosts.

Sizes 65c, \$1.00 and \$1.50.



GERMOZONE

Germozone is the most popular medicine for poultry and for stock and the most generally effective. For roup, canker, chicken pox, sore head, skin disease, bowel trouble, sores, wounds.

40c, 75c and \$1.50

GERMOZONE TABLETS

Germozone Tablets—This is the same as the liquid, only in a more convenient form. When dissolved in water they act the same way as the Germozone liquid.

In three sizes, 25c, 75c and \$1.50.



LEE'S LOUSE POWDER

Lee's Louse Powder is big value in both size and quality. 1½ lb. pkg., for 30c; 3 lbs., 60c. Round sprinkler top cartons. Very effective.

EGG-O-LATUM

Egg-O-Latum is a new and valuable egg preserver. An antiseptic wax. Rubbed on eggs it keeps them fresh from spring and summer to following winter. Easy to fix a dozen a minute. Simply laid away in a cool cellar. 50c per jar. Enough for 600 eggs.



BARNES' WORM EMULSION

Is an invigorating, nourishing fluid. It increases the assimilating juices in the intestinal tract, will kill the worm, it will be digested and returned to the nourishment of the chicken. Qt., \$1.00; gal., \$3.

We do not pay postage on any of the above articles.

BIRD SUPPLIES



We are headquarters for bird supplies. A complete line of Hendryx Cages are in stock. Brass, Enameled and the new shades of Duco Brass stands. Stands as low as \$2.50; Brass Cages as low as \$1.75. If interested in a new cage write for prices and sizes or better still see them. We also have a complete line of goldfish aquariums and supplies.

Canary, lb.	15c
Hemp, lb.	10c
Rape, imported, lb.	15c
Rape, domestic, lb.	10c
Millet, lb.	10c
Mixed Bird Seed, lb.	15c
Cuttle Bone, 3 for.	10c
Orange Color Food.	25c
Mite Exterminator.	25c
Nestling Food.	15c
Silver Gravel, lb.	5c

Cage Springs, single, each	15c
Extra Heavy, each.	30c
Feed and Water Cups, each.	15c
Wire Nests.	15c
Canary Baths	20c
Cage Brackets	25c
Cage Springs.	15c
Hennings' Bird Tonic.	25c
Bird Manna.	15c

Garden and Household Necessities

SNAROL



A Ready-to-Use Positive Control for Hard Shelled Snails.

SNAROL is a boon to gardeners. It is a specially treated meal, very attractive to snails as food and having the properties necessary for speedily killing them after they have eaten it. One or two applications in the evening will completely eliminate snails in the garden.

Method of applying: After thoroughly wetting the premises, scatter SNAROL lightly over the wet ground. In the morning you will find numerous dead snails. Repeat this application after two weeks to destroy the young that have developed from eggs which might have been laid in the ground.

Do not place SNAROL within the reach of fowls.

Prices:	Each
1-lb. package.	\$0.40
3-lb. package85
15-lb. Bag	3.25

ANTROL



Is manufactured according to a United States Government formula.

The jars are of glass with aluminum top and should last a life time. The syrup can be purchased separately to refill the jars when they need replenishing.

Cottage sets (like the illustration) containing 9 jars of ANTROL Syrup, shipping weight 6 lbs. \$1.75

Jars only	Each \$0.15
Pint bottle ANTROL Syrup75
Quart bottle ANTROL Syrup	1.25

ANTROL can NOT be mailed.

FLIES ARE THE SCOURGE OF HUMANITY

They have caused more deaths than all wars. Flies have been the source of endless numbers of painful, devastating sickness. They have crippled the body and impaired the mind of countless thousands. Flies are the enemies of mankind. They are filthy beyond human imagination. They taint everything they touch. The marks they leave by excretion and regurgitation are reeking pools of bacteria—wet, mucky matter swimming with disease germs.

Nothing is more repulsive, more foul than the fly. Nothing so threatens human life, health and happiness. No other thing can cause more suffering, sickness and death.

To enumerate and record those diseases carried by flies would fill several pages. Many animal organisms live in the flies alimentary canal. These are dropped in the excreta of the fly.

Prices:	Each
Pints	\$0.75
Quarts	1.25
Gallons	4.00
Cannot be mailed.	



Buy your bird seed in bulk. Write for prices in large quantities.

NOTICE: KINDLY SEND THE NAMES OF YOUR ACQUAINTANCES WHO USE SEEDS.

[illegible]

PARCEL POST RATES		First pound or fraction	Each additional pound or fraction
within the United States			
Rate to Canada 12c lb. or fraction thereof			
First Zone within 50 miles of Stockton....	7c	1c	
Second Zone within 50 to 150 miles.....	7c	1c	
Third Zone within 150 to 300 miles.....	8c	2c	
Fourth Zone within 300 to 600 miles.....	9c	4c	
Fifth Zone within 600 to 1000 miles.....	10c	6c	
Sixth Zone within 1000 to 1400 miles.....	11c	8c	
Seventh Zone within 1400 to 1800 miles.....	13c	10c	
Eighth Zone all over 1800 miles.....	14c	12c	

WE GUARANTEE SAFE DELIVERY OF SEEDS BY PARCEL
POST IF INSURED.

IF THIS IS DESIRED ADD FEE TO REMITTANCE.

SPECIAL NOTICE—If you will kindly send us the names of your flower loving friends—and those of farmers or ranchers of your acquaintance—with your order, we will be glad to place them on our mailing list.

PLEASE DO NOT USE SPACE BELOW

FILLED BY	CHECKED BY	PACKED BY	NO. BOXES	NO. SACKS	NO. PKGS.	DATE	POSTAGE FR. EXP. ADV.

KNOX SEED COMPANY
SEED DEALERS

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WE GUARANTEE SAFE DELIVERY OF SEEDS BY PARCEL POST IF INSURED. IF THIS IS DESIRED ADD FEE TO REMITTANCE. IF IN NEED OF MORE ORDER SHEETS AND SELF ADDRESSED ENVELOPES ASK FOR THEM, THEY WILL BE MAILED FREE

Sprays for Every Purpose

BUCKET PUMP



A bucket pump that is without a doubt the best bucket pump ever offered for sale. It is light, strong, reliable and will last a lifetime.

It is used by poultry-raisers, truck gardeners and by home gardeners throughout the country.

Double-acting.

All the working parts are brass, not subject to corrosion.

Bronze ball valves. Suited to any use where a pump of this kind is required.

Price \$5.00

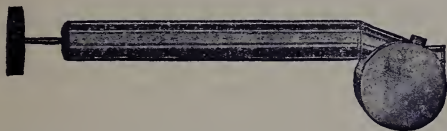
It Sprays Continuously



Uses: This sprayer is designed for spraying garden crops, for use in greenhouses, for handling disinfectants and fly oils. In fact, it can be used with almost all spraying solutions.

Auto-Spray No. 26 is manufactured with either a brass or a tin reservoir, as listed below:

Auto-Spray No. 26-A, 1 qt., all tin.....\$1.00
Auto-Spray No. 26-C, 1 qt., brass pump, brass tank.....\$1.50



Auto-Spray No. 22.—For all kinds of small spraying and disinfecting. This atomizer is made of heavy tin and holds one quart. It is a single acting atomizer that throws a fine misty spray. This pump is fitted with an oil treated leather cup that lasts more than one season. Price, 60c.

It's Double Acting



The Same Spray With Half The Labor

The Double Action High-Pressure Sprayer

Use with any pail or bucket

AUTO SPRAY No. 5 is generally acknowledged to be the most powerful of this type manufactured, generates a pressure of 200 lbs. with remarkable ease. Throws continuous sprays on both the up and down strokes and requires about one half the energy of other pumps of this type. Suction end containing strainer, is weighted and will not work out of bucket.

Specifications—Solid brass throughout.

Shipping Weight—4 lbs.

Price \$5.00, f. o. b. Stockton.

COMPRESSED AIR SPRAYER

Where there are fruit trees or largeshade trees this pump is very much more satisfactory than the Junior for it not only carries more liquid but because of its larger size greater pressure may be obtained. Every one should give more time and attention to spraying the trees, shrubs and garden in general, for it is quite necessary to control insect pests and fungus diseases if the plants are to thrive. We consider that it would be far better to economize in other things if necessary to have a first class spray pump that will spray effectively, than it is to have a large garden of trees and plants and neglect them or only spray them partially with the smaller hand sprayer. No matter how small the garden an investment in spray pumps and spray materials means more fruit, better fruit, better trees, shrubs and flowers. The No. 9-D is equipped with hose, short extension rod and nozzle. The capacity is 3½ gallons, the tank is galvanized iron. **Price \$7.00 f. o. b. Stockton.** Shipping weight 11½ lbs.

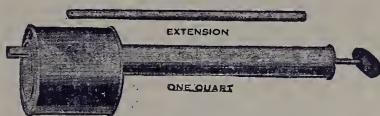


No. 9-D

COMPRESSED AIR SPRAYER

No. 50-D JUNIOR

We believe that the No. 50-D Junior is one of the best values we have found. All working parts are of brass, the capacity is 2½ gallons, it is equipped with hose and a short extension rod, and is very well made. Properly taken care of it will outlast many of the little tin sprayers and besides making the spraying a pleasure it will do the job effectively an d better fruits or plants will result. **Price \$5.00 f. o. b. Stockton.** Shipping weight 7 lbs.



DUSTER BROWN No. 2

Specifications—Length over oil 19¾ in. Length of pump cylinder, 12 in.; Diameter, 1¼ in. Length of tank, 4¾ in.; Diameter, 4¾ in.

EVERY DUSTER equipped with 17½ in. extension for dusting under side leaves while standing. **Price \$1.50 f. o. b. Stockton.**

BROWN'S AUTO SPRAY No. 14

An Inexpensive Continuous Whitewash Bucket Sprayer

Capable of producing a continuous spray or will throw a continuous stream 30 feet high. This inexpensive bucket sprayer is both simple and effective. It is made of galvanized steel and equipped with our clog-proof Auto-Spray nozzle; also Solid Stream nozzle. An overflow is provided which returns to the container any liquid which might rise above the plunger. The sprayer is fitted with brass screw cap at the bottom and ball valves in the intake and discharge chamber; also a foot rest made of heavy steel which is 14 in. high. **Price \$2.45 f. o. b. Stockton.**



Catalog of—



Knox Seed Company

223-225 E. Weber Ave.

STOCKTON, CALIFORNIA